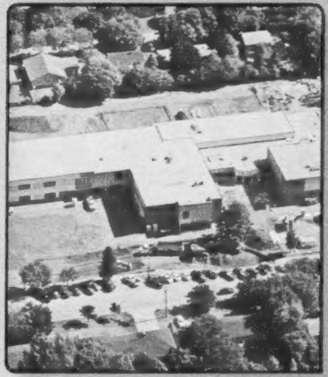
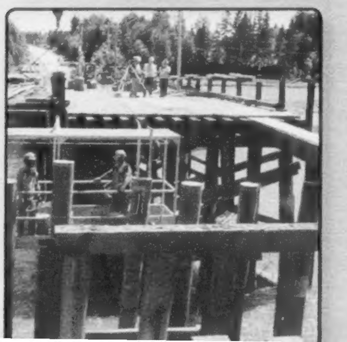




Transportation and Infrastructure Renewal

Annual Report | 2011-2012

Prince Edward Island
CANADA
Transportation and Infrastructure Renewal

Prince Edward Island
CANADA

Department of Transportation and Infrastructure Renewal

Annual Report

for the year ending March 31, 2012

Jones Building, 11 Kent Street,
P.O. Box 2000, Charlottetown,
Prince Edward Island, Canada, C1A 7N8
Telephone: 902-368-5100   Fax: 902-368-5395

Prince
Edward
Island
CANADA

The Honourable Frank Lewis
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Infrastructure Renewal for the period April 1, 2011 to March 31, 2012.

Respectfully submitted,

Robert Vessey

Robert Vessey
Minister

The Honourable Robert Vessey
Minister
Department of Transportation and Infrastructure Renewal
Province of Prince Edward Island

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation and Infrastructure Renewal for the period April 1, 2011 to March 31, 2012.

The activities of the respective Divisions are recounted in the following pages of the Report.

Respectfully Submitted,

B Douglas

Brian Douglas
Deputy Minister

Mandate

The mandate of the Prince Edward Island Department of Transportation and Infrastructure Renewal is to contribute to economic development and the quality of life in this province by maintaining and enhancing, in an affordable way, the essential transportation systems and services for the efficient and safe movement of people, goods, and services.

It is also necessary to provide the infrastructure necessary for the efficient conduct of government through services to other government departments in the areas of building construction, crown land management, building maintenance, and accommodations.

Table of Contents

Departmental Mission Statement . . . 1
Departmental Legislation . . . 2
Departmental Organization . . . 3
Personnel . . . 4
French Language Services Implementation Plan . . . 5

FINANCE, HUMAN RESOURCES

Finance . . . 6
Human Resources . . . 6
Occupational Health & Safety . . . 6

HIGHWAY SAFETY & IT

Driver Records Section . . . 7
Information Technology . . . 9
Safety Section . . . 18

PUBLIC WORKS & PLANNING

Planning . . . 24
Building Design and Construction . . . 26
Building Maintenance & Accommodations . . . 34

LAND & ENVIRONMENT

Environment Management . . . 38
Office of the Provincial Chief Surveyor . . . 45
Properties Section . . . 46

CAPITAL PROJECTS

Chief Engineer's Report . . . 62
Schedule of Tenders . . . 64
Design . . . 72
Bridges . . . 73
Materials & Soils . . . 75
Traffic Operations . . . 77
Provincial Sign Shop . . . 80
Mapping & Geographic Information Systems . . . 83

HIGHWAY MAINTENANCE

Highway Maintenance . . . 84
Confederation Trail Maintenance . . . 137
Mechanical Branch . . . 137

INFRASTRUCTURE SECRETARIAT . . . 141

STATEMENT OF EXPENDITURES . . . 148

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

MISSION STATEMENT

The role of the Department of Transportation and Infrastructure Renewal is four-fold:

- **To provide high quality and timely policy advice to the Government of Prince Edward Island on all matters related to transportation and public works;**

- **To provide transportation infrastructure and foster development of a safe, efficient, affordable and environmentally sustainable transportation system for the movement of people and goods;**

- **To provide quality services to the rest of Government in the areas of building construction, Crown land management, building maintenance and accommodations; and**

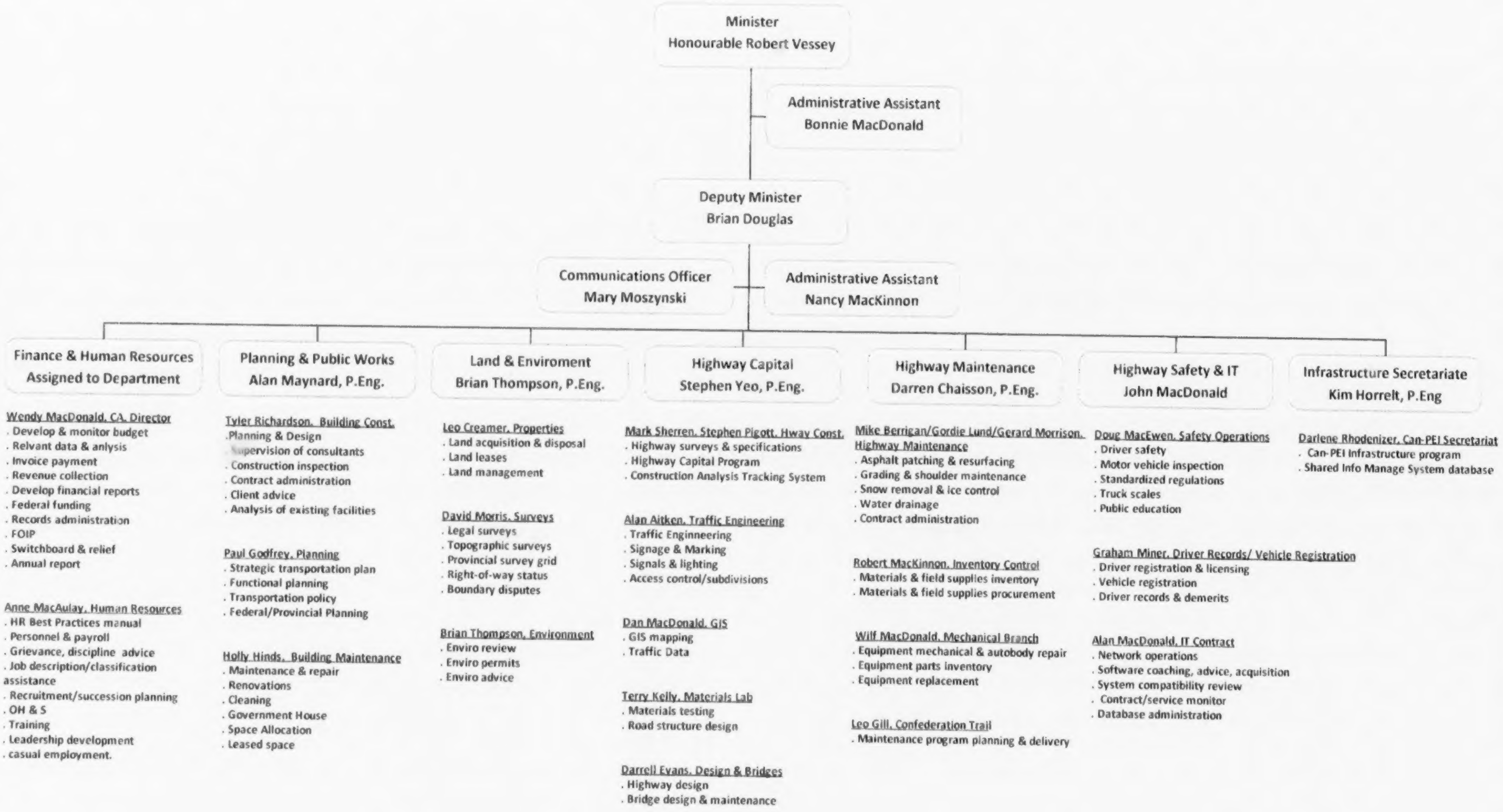
- **To support development of the Prince Edward Island economy.**

Clients include transportation users, enforcement agencies, the construction industry, and other Government Departments.

LEGISLATIVE RESPONSIBILITIES

- **Architects Act**
- **Crown Building Corporation Act**
- **Dangerous Goods (Transportation) Act**
- **Engineering Profession Act**
- **Expropriation Act**
- **Georgetown Common Land Act**
- **Highway Traffic Act**
- **Land Survey Act**
- **Land Surveyor's Act**
- **Off-Highway Vehicle Act**
- **Public Works Act**
- **Roads Act**

Department of Transportation and Infrastructure Renewal
Province of Prince Edward Island



Minister
Honourable Robert Vessey

Administrative Assistant
Bonnie MacDonald

Deputy Minister
Brian Douglas

Communications Officer
Mary Moszynski

Administrative Assistant
Nancy MacKinnon

Finance & Human Resources
Assigned to Department

Wendy MacDonald, CA, Director
- . Develop & monitor budget
- . Relvant data & anlysis
- . Invoice payment
- . Revenue collection
- . Develop financial reports
- . Federal funding
- . Records administration
- . FOIP
- . Switchboard & relief
- . Annual report

Anne MacAulay, Human Resources
- . HR Best Practices manual
- . Personnel & payroll
- . Grievance, discipline advice
- . Job description/classification assistance
- . Recruitment/succession planning
- . OH & S
- . Training
- . Leadership development
- . casual employment.

Planning & Public Works
Alan Maynard, P.Eng.

Tyler Richardson, Building Const.
- .Planning & Design
- . Supervision of consultants
- . Construction inspection
- . Contract administration
- . Client advice
- . Analysis of existing facilities

Paul Godfrey, Planning
- . Strategic transportation plan
- . Functional planning
- . Transportation policy
- . Federal/Provincial Planning

Holly Hinds, Building Maintenance
- . Maintenance & repair
- . Renovations
- . Cleaning
- . Government House
- . Space Allocation
- . Leased space

Land & Enviroment
Brian Thompson, P.Eng.

Leo Creamer, Properties
- . Land acquisition & disposal
- . Land leases
- . Land management

David Morris, Surveys
- . Legal surveys
- . Topographic surveys
- . Provincial survey grid
- . Right-of-way status
- . Boundary disputes

Brian Thompson, Environment
- . Enviro review
- . Enviro permits
- . Enviro advice

Highway Capital
Stephen Yeo, P.Eng.

Mark Sherren, Stephen Pigott, Hway Const.
- . Highway surveys & specifications
- . Highway Capital Program
- . Construction Analysis Tracking System

Alan Aitken, Traffic Engineering
- . Traffic Enginneering
- . Signage & Marking
- . Signals & lighting
- . Access control/subdivisions

Dan MacDonald, GIS
- . GIS mapping
- . Traffic Data

Terry Kelly, Materials Lab
- . Materials testing
- . Road structure design

Darrell Evans, Design & Bridges
- . Highway design
- . Bridge design & maintenance

Highway Maintenance
Darren Chaisson, P.Eng.

Mike Berrigan/Gordie Lund/Gerard Morrison, Highway Maintenance
- . Asphalt patching & resurfacing
- . Grading & shoulder maintenance
- . Snow removal & ice control
- . Water drainage
- . Contract administration

Robert MacKinnon, Inventory Control
- . Materials & field supplies inventory
- . Materials & field supplies procurement

Wilf MacDonald, Mechanical Branch
- . Equipment mechanical & autobody repair
- . Equipment parts inventory
- . Equipment replacement

Leo Gill, Confederation Trail
- . Maintenance program planning & delivery

Highway Safety & IT
John MacDonald

Doug MacEwen, Safety Operations
- . Driver safety
- . Motor vehicle inspection
- . Standardized regulations
- . Truck scales
- . Public education

Graham Miner, Driver Records/ Vehicle Registration
- . Driver registration & licensing
- . Vehicle registration
- . Driver records & demerits

Alan MacDonald, IT Contract
- . Network operations
- . Software coaching, advice, acquisition
- . System compatibility review
- . Contract/service monitor
- . Database administration

Infrastructure Secretariate
Kim Horrelt, P.Eng

Darlene Rhodenizer, Can-PEI Secretariat
- . Can-PEI Infrastructure program
- . Shared Info Manage System database

Department Of Transportation and Infrastructure Renewal

Personnel

Minister	Hon. Robert Vessey
Administrative Assistant	Bonnie MacDonald
Deputy Minister	Brian Douglas
Administrative Assistant	April Gregory
FINANCE & HUMAN RESOURCES	
Finance	Wendy MacDonald, Finance Director
Human Resources	Anne MacAulay
Occupational Health & Safety	Gerry Stewart
HIGHWAY SAFETY & IT	John MacDonald, Director
Highway Safety Operations	Doug MacEwen
Highway Safety Registration	Graham Miner
PUBLIC WORKS & PLANNING	Alan Maynard, Director
Planning	Paul Godfrey
Building Design and Construction	Tyler Richardson
Maintenance and Accommodations	Holly Hinds
LAND & ENVIRONMENT	Brian Thompson, Director
Provincial Chief Surveyor	David Morris
Properties	Leo Creamer
CAPITAL PROJECTS DIVISION	Steve Yeo, Director
Western Region Engineer	Mark Sherren
Eastern Regional Engineer	Stephen Pigott
Materials and Soils	Terry Kelly
Highway Design & Bridge Maintenance	Darrell Evans
HIGHWAY MAINTENANCE	Darren Chaisson, Director
Highway Maintenance, Western	Mike Berrigan
Highway Maintenance, Central	Gordie Lund
Highway Maintenance, Eastern	Gerard Morrison
Mechanical Branch, Fleet Manager	Wilf MacDonald
Mechanical Branch, Western	Gerald Arsenault
Mechanical Branch, Central	Donnie Martin
Mechanical Branch, Eastern	Charles MacLaren
Confederation Trail Maintenance	Leo Gill

FRENCH LANGUAGE SERVICES IMPLEMENTATION PLAN

The Department continues to respond to the requirements of the French Language Services Act through its 2000 implementation plan.

Focus continues in the following areas:

- ***Awareness***
  The Department's obligation to the French Language Services Act continues to be incorporated into the daily routine of staff, especially for those responsible for the distribution and release of information to the public, i.e., correspondence, media releases, public notices, etc.

- ***Human Resources***
  Human Resources are currently approaching the organizational structure to identify positions for potential bilingual designation. These results will be considered in the areas of succession planning and current incumbent training. Interviews have taken place for employees interested in assessing their levels of proficiency in the French language, and others who are new to the language have participated in one-day workshops.

- ***Signs***
  The same effort that resulted in the Traffic Section of the Capital Projects Division receiving an award in 2001 continues to occur. As existing signage stock is depleted, the format is changed to bilingual. Bilingual directional tabs are now being used on Route confirmations and the private road signs for 911 are totally bilingual. Any worded sign manufactured out of the Provincial Sign Shop is produced in a bilingual format.

- ***Document Translation***
  The Highway Safety Division is one of the larger groups responsible for the distribution and circulation of documentation for public consumption. This group continues to work closely with Acadian and Francophone Affairs to identify essential documentation for translation purposes.

Wendy Toy
French Language Services Coordinator

FINANCE AND HUMAN RESOURCES DIVISION

The Finance and Human Resources Division is responsible for providing financial and human resources leadership to the Department on all matters relating to Administration, Finance, and Human Resources.

FINANCE SECTION

The Finance Section is responsible for the financial services of the Department. The work of the Section includes the following:

Provide Leadership in Financial Management
Administer Budget Development and Controls
Monitor the day-to-day Operations of the Accounting Office
Inventory Management
Administration Services

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31, 2012 follows at the end of the Annual Report.

HUMAN RESOURCES SECTION

The Human Resources Section is responsible for the planning and administration of the Department's Human Resources, including the following:

- Personnel and Payroll Services
- Departmental Training Administration
- Organizational Development
- Permanent and Seasonal Staffing
- Position Classification
- Collective Bargaining and Contract Interpretation
- Management Consultation

The *Best Practice Manual* remains a resource to support various levels of management in better understanding policies and procedures around staffing, employee and labour relations, performance management, organizational learning, and training and development. To supplement mandatory training sessions around core competencies for managers and supervisors, HR developed custom training sessions for various supervisory levels across the Department. The Human Resources Section continues to provide advice and support to management in these areas and in Collective Agreement contract interpretation and Human Resource planning

OCCUPATIONAL HEALTH & SAFETY

The Department continues to provide classroom and workplace training and mentoring sessions to increase and upgrade the skills and knowledge of all staff. Including those involved in major construction projects such as Hospital Facilities and schools as well as our primary work to build, repair and maintain the highway system and road network. One of the most important aspects of work zone traffic control is a proper placement of the signage and traffic control persons so all are in clearly visible locations.

Focuses for the future include:

- Continuing to improve workplace hazard assessment and inspection procedures to minimize the potential for injury.
- The Department remains committed to reducing noise levels and noise exposure in all applicable workplaces.
- Reducing the incidence of injury and illness in the workplace by developing a culture where all employees take responsibility for their own health and safety.
- Responding to increasing demands from an aging workforce.
- Continuing to improve safety with respect to facility construction and maintenance.

The Department has steadily improved safety over in the past ten years and is committed to the continuous improvement process to ensure that Transportation and Infrastructure Renewal is a safe and healthy workplace.

HIGHWAY SAFETY & IT DIVISION

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support the Minister of Transportation and Infrastructure Renewal in the administration of the *Highway Traffic Act*, *Off-Highway Vehicle Act*, *Roads Act,* and the Transportation of Dangerous Goods Act. The following Sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

- Driver Records
- Systems Development and Support
- IRP (International Registration Plan)
- Safety
  Registration and Licensing (Legislation and Policy and Program Development)
- Commercial Vehicle Enforcement

DRIVER RECORDS SECTION

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada, and who are scheduled for counselling activity such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. During the year, there were approximately 10,340 motor vehicle related convictions.

This Section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments and, in particular, the Office of the Attorney General. The Driver Records Section deals mainly with the *Highway Traffic Act, Roads Act, Dangerous Goods Act* and the *Maintenance Enforcement Act*. Driver Abstracts (drivers' records) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

The Records Section is responsible for the evaluation, preparation and processing of all *Highway Traffic Act* and driver related *Criminal Code of Canada* convictions. A summary of the major activities is shown below with the 2011-2012 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	**2010-2011**	**2011-2012**
Section 253 (1)(a) Criminal Code - (Impaired Driving)	44	37
Section 253 (1)(b) Criminal Code - (Failing the Breathalyzer)	322	302
Section 254(5) Criminal Code - (Refusal of the Breathalyzer)	33	32
Total Alcohol Related Convictions	**399**	**371**
Administrative Driving Prohibitions	411	406
7 Day Suspensions (S.277.1) HTA	83	81
30 Day Suspensions (S.277.1) (3.2) HTA	3	6
90 Day Suspensions (S.277.1) (3.5) HTA	0	0
Vehicle Impoundments	49	45
Demerit Point System (Point Accumulation)	393	358
Theft of a Motor Vehicle	18	17
Default in Payment of Fine(s) - (Motor vehicle related offences)	1917	1944
Failure to Satisfy a Judgment - (Accident with an uninsured vehicle)	4	8
Reinstatement of driving privileges from suspension/cancellation **Revenue from Reinstatement Fees**	1702 **83,225.00**	1588 **154,825.00**

Number of Warning Letters Issued - (Point Accumulation)	1615	1592
Number of Driving Record Interviews Issued - (Point Accumulation)	347	309
Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)	**2010-2011**	**2011-2012**
Medical Referrals Issued	452	396
Medical Referrals Issued for Commercial Drivers	3640	3267
Vision Referrals Issued	80	74
Driving Re-Examination Conducted	399	442
Driving Record Interviews	148	196
Restricted Driver Licenses Issued	36	34
Requests for Abstracts of Driving Records from Insurance Companies and Individuals **Abstract Fee ($20.00)**	41,531 **830,620.00**	40,721 **814,420.00**

INFORMATION TECHNOLOGY

Highway Safety have the following computer applications from which statistical information can be generated:

Carrier Management System(CMS):
Monitor, regulate and rate carriers of commercial vehicles. It covers all aspects of driver qualification, vehicle compliance and safety management of commercial vehicle.

Collision and Accident Reporting System (CARS):
The management of highway collisions through collection of data with the capability of ad hoc query and reporting.

Driver Vehicle System (DVS):
Provincial Driver Licensing and Vehicle Registration System which generates revenue for the Province.

Electronic Abstract System (CGI):
Automated Insurance Abstract Management and Billing System for CGI that is processed via FTP.

Enforcement Officer Reporting System (EORS):
Records all daily activity, traffic stops and permits for portable and fixed scale operations.

International Registration Plan (IRP) and IRP Clearing House:
Vehicle Registration Program that interprets business rules, calculates fees and taxes for Canadian and US jurisdictions.

Inter-Provincial Records Exchange System (IRE):
Exchange and sharing of Driver Licensing and Records along with Vehicle Registration Information between provinces and states.

Motor Vehicle Inspection System (MVIS):
Supports the management of the MVI program. Database stores individual MVI reports, station and mechanic information.

Photo ID System:
Management of digital photos and signatures for driver's licenses, instruction permits and identification cards.

Records Management System (RMS):
Manages and maintains all records of PEI Drivers and convictions for motor vehicle related offences. The system generates all daily correspondence.

Telephone Vehicle Registration System (TVRS):
Interactive voice response system for passenger vehicle registration.

Computer Applications Supported Within the Department

Other computer applications within the Department which the Information Technology Section supports are:

Regional Weather Information System (RWIS):
Tracks and provides information on weather and road conditions on PEI.

Construction Analysis and Tracking System Remote (CATS Remote):
Management of load tickets for printing and monitoring. This system runs parallel to CATS during the construction season.

Construction Analysis and Tracking System (CATS):
Tracks all government of PEI construction contracts from tender submissions through payout.

Electronic Billing Information System (EBIS):
Tracking of utility bills and kilowatt usage for all government departments.

Fleet Management System (FMS):
Manages the corporate fleet of leased vehicles by monitoring all payments and expenses for all departments, plus manages parts inventory, labour and maintenance for government garages.

Integrated Traffic Monitoring System (ITMS):
Tracks vehicle traffic data for all PEI highways and generates ad hoc reports.

Land Information Management System (LIMS):
Tracks and monitors crown owned land history from current to past leaseholders along with use of land.

Travel Claims System (TCS):
Tracks Travel Claims by employee with the Department of Transportation and Infrastructure Renewal.

Pavement Management System (PMS):
Collects data on pavement conditions and road attributes.

Highway Lab Information Management System (HLIMS):
Collects data from an array of tests on materials and soils to ensure compliance with the department's specifications.

The International Registration Plan (IRP)

The International Registration Plan (IRP) is a Registration Reciprocity Agreement among States of the United States and Provinces of Canada providing for payment of license fees on the basis of total distance operated in all jurisdictions. The fees are divided among the IRP jurisdictions through which the vehicles travel and allow movement on an interjurisdictional and intrajurisdictional basis.

Typically vehicles over 11,794 kgs (26,000 lgs) or buses with 20 seats or more that wish to travel in two or more jurisdictions must register under IRP. It is not mandatory that vehicles be registered under this Agreement, but if carriers do not register, they will be required to register in their base jurisdiction and obtain temporary or single trip permits from member jurisdictions in which they intend to travel.

During the fiscal year April 1, 2011 - March 31, 2012 there were 203 Prince Edward Island based carriers registering a total of 696 vehicles under the Agreement.

IRP Clearinghouse

Prince Edward Island has been a participating member of the IRP Clearinghouse since November 2002. This involves the electronic exchange and reconcilement of registration and tax fee information and funds through a central computer system among member jurisdiction of the International Registration Plan. Presently 56 of the 59 member jurisdictions are members of the Clearinghouse.

Canadian Agreement on Vehicle Registration (CAVR)

CAVR is a Full and Free Reciprocity Agreement for Category "B" vehicles for interprovincial operations that may operate in all Canadian Provinces when legally registered in their home jurisdiction. They cannot be used for intra-provincial transportation, unless they meet conditions specified in Article V of the Agreement.

IRP services are provided at the Charlottetown office of the Highway Safety Division. The distribution of revenue, for the fiscal year April 1, 2011 - March 31, 2012 are listed in the tables that follow.

ISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS FOR CANADIAN JURISDICTIONS
APRIL 1, 2011 - MARCH 31, 2012

PROVINCE	REGISTRATION FEES	AUDITS	SALES TAX FEES	ADMIN. FEES	TOTAL FEES
PE	**$ 399,299.00**	**$ 9,972.79**	**$ 437,381.15**	**$ 38,380.00**	**$ 885,032.94**
NB	**$ 414,391.19**	**$ 129.42**	**$ 0.00**	**$ 0.00**	**$ 414,520.61**
NS	**$ 214,792.06**	**$- 2.17**	**$ 0.00**	**$ 0.00**	**$ 214,789.89**
NL	**$ 16,600.92**	**$- 40.91**	**$ 0.00**	**$ 0.00**	**$ 16,560.01**
QC	**$ 109,405.35**	**$ 175.75**	**$ 0.00**	**$ 0.00**	**$ 109,581.10**
ON	**$ 59,693.00**	**$ 145.82**	**$ 0.00**	**$ 0.00**	**$ 59,838.82**
MB	**$ 2,609.00**	**$ 2.24**	**$ 1,836.89**	**$ 0.00**	**$ 4,448.13**
SK	**$ 2,450.00**	**$ 6.83**	**$ 1,329.46**	**$ 0.00**	**$ 3,786.29**
AB	**$ 1,582.00**	**$ 0.00**	**$ 0.00**	**$ 0.00**	**$ 1,582.00**
BC	**$ 956.57**	**$- 0.88**	**$ 0.00**	**$ 0.00**	**$ 955.69**
TOTALS	**$ 1,221,779.09**	**$ 10,388.89**	**$ 440,547.50**	**$ 38,380.00**	**$ 1,711,095.48**

All Fees in Canadian Dollars

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS FOR U.S. JURISDICTIONS
APRIL 1, 2011 - MARCH 31, 2012

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Alabama	$ 76.76	$ - 0.10	$ 0.00	$ 76.66
Arizona	$ 417.59	$ - 0.42	$ 0.00	$ 417.17
Arkansas	$ 44.81	$ - 0.24	$ 0.00	$ 44.57
California	$ 528.00	$ - 2.00	$ 0.00	$ 526.00
Colorado	$ 239.08	$ 0.59	$ 99.95	$ 339.62
Connecticut	$ 6,328.34	$ 10.78	$ 0.00	$ 6,339.12
Delaware	$ 658.04	$ 0.56	$ 0.00	$ 658.60
Dist. of Columbia	$ 18.47	$ - 0.11	$ 0.00	$ 18.36
Florida	$ 797.75	$ 0.54	$ 0.00	$ 798.29
Georgia	$ 348.83	$ 2.09	$ 0.00	$ 350.92
Idaho	$ 93.64	$ - 0.24	$ 0.00	$ 93.40
Illinois	$ 1,935.66	$ - 1.04	$ 0.00	$ 1,934.62
Indiana	$ 513.37	$ 0.51	$ 242.07	$ 755.95
Iowa	$ 1,017.97	$ - 0.75	$ 0.00	$ 1,017.22
Kansas	$ 96.52	$ - 0.07	$ 0.00	$ 96.45
Kentucky	$ 213.44	$ - 0.06	$ 135.48	$ 348.86
Louisiana	$ 36.82	$ - 0.04	$ 0.00	$ 36.78
Maine	$ 16,075.82	$ 4.67	$ 24,930.74	$ 41,011.23
Maryland	$ 1,065.62	$ 0.67	$ 0.00	$ 1,066.29
Massachusetts	$ 9,336.17	$ 25.45	$ 0.00	$ 9,361.62
Michigan	$ 2,272.55	$ 8.68	$ 0.00	$ 2,281.23
Minnesota	$ 846.13	$ - 0.17	$ 0.00	$ 845.96
Mississippi	$ 76.14	$ - 14.72	$ 50.72	$ 112.14

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Missouri	$ 236.92	$ - 0.30	$ 0.00	$ 236.62
Montana	$ 50.53	$ - 0.25	$ 18.84	$ 69.12
Nebraska	$ 224.31	$ - 0.09	$ 0.00	$ 224.22
Nevada	$ 57.01	$ - 0.34	$ 45.11	$ 101.78
New Hampshire	$ 1,044.39	$ 4.53	$ 15.76	$ 1,064.68
New Jersey	$ 4,622.92	$ 9.35	$ 0.00	$ 4,632.27
New Mexico	$ 20.28	$ 0.00	$ 0.00	$ 20.28
New York	$ 7,892.13	$ 20.47	$ 1,957.27	$ 9,869.87
North Carolina	$ 894.60	$ 1.44	$ 0.00	$ 896.04
North Dakota	$ 651.94	$ - 0.07	$ 0.00	$ 651.87
Ohio	$ 798.59	$ 0.72	$ 0.00	$ 799.31
Oklahoma	$ 106.92	$ - 0.06	$ 0.00	$ 106.86
Oregon	$ 46.45	$ 0.00	$ 0.00	$ 46.45
Pennsylvania	$ 7,924.30	$ 26.99	$ 936.77	$ 8,888.06
Rhode Island	$ 193.18	$ 0.08	$ 0.00	$ 193.26
South Carolina	$ 417.84	$ 0.41	$ 0.00	$ 418.25
South Dakota	$ 187.76	$ - 0.17	$ 0.00	$ 187.59
Tennessee	$ 399.13	$ - 0.08	$ 0.00	$ 399.05
Texas	$ 189.11	$ - 0.24	$ 0.00	$ 188.87
Utah	$ 70.23	$ 0.37	$ 66.01	$ 136.61
Vermont	$ 886.18	$ 0.30	$ 0.00	$ 886.48
Virginia	$ 1,397.92	$ 0.74	$ 0.00	$ 1,398.66
Washington	$ 168.36	$ - 0.32	$ 1.25	$ 169.29
West Virginia	$ 204.05	$ 1.29	$ 146.96	$ 352.30
Wisconsin	$ 557.44	$ 4.85	$ 0.00	$ 562.29
Wyoming	$ 190.48	$ - 0.31	$ 0.00	$ 190.17
TOTALS	$ 72,470.49	$ 103.89	$ 28,646.93	$ 101,221.31

All Fees are in U.S. Dollars

DISTRIBUTION OF REVENUE COLLECTED BY CANADIAN JURISDICTIONS FOR PRINCE EDWARD ISLAND
APRIL 1, 2011 - MARCH 31, 2012

PROVINCE	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
New Brunswick	$ 181,223.00	$ - 56.51	$ 307,077.10	$ 488,243.59
Nova Scotia	$ 70,740.00	$ - 46.47	$ 105,463.01	$ 176,156.54
Newfoundland	$ 4,583.00	$ - 23.60	$ 5,347.26	$ 9,906.66
Quebec	$ 52,872.26	$ 10.48	$ 76,440.22	$ 129,322.96
Ontario	$ 14,285.00	$ 3.81	$ 20,253.25	$ 34,542.06
Manitoba	$ 22.58	$ 0.00	$ 807.65	$ 830.23
Saskatchewan	$ 149.00	$ 0.00	$ 360.49	$ 509.49
Alberta	$ 1,074.64	$ 6.62	$ 3,614.90	$ 4,696.16
British Columbia	$ 618.00	$ 0.00	$ 1,162.31	$ 1,780.31
TOTALS	$ 325,567.48	$ - 105.67	$ 520,526.19	$ 845,988.00

All Fees in Canadian Dollars

DISTRIBUTION OF REVENUE COLLECTED BY U.S. JURISDICTIONS
FOR PRINCE EDWARD ISLAND
APRIL 1, 2011 - MARCH 31, 2012

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Alabama	$ 118.55	$ 0.00	$ 169.77	$ 288.32
Arizona	$ 3,774.74	$ 0.00	$ 5,409.43	$ 9,184.17
Arkansas	$ 38.79	$ 0.00	$ 55.44	$ 94.23
California	$ 112.41	$ - 0.60	$ 160.96	$ 272.77
Colorado	$ 0.31	$ 0.00	$ 0.41	$ 0.72
Connecticut	$ 63.04	$ 0.00	$ 90.19	$ 153.23
Delaware	$ 3.97	$ 0.00	$ 5.62	$ 9.59
Dist. Of Columbia	$ 0.00	$ 0.00	$ 0.00	$ 0.00
Florida	$ 1,830.32	$ 0.00	$ 2,622.94	$ 4,453.26
Georgia	$ 196.12	$ 0.00	$ 280.88	$ 477.00
Idaho	$ 0.15	$ 0.00	$ 0.13	$ 0.28
Illinois	$ 496.28	$ 0.13	$ 711.07	$ 1,207.48
Indiana	$ 2,489.46	$ 0.00	$ 3,567.54	$ 6,057.00
Iowa	$ 81.65	$ 0.00	$ 116.87	$ 198.52
Kansas	$ 1.00	$ 0.00	$ 514.73	$ 515.73
Kentucky	$ 1.00	$ 0.00	$ 16.01	$ 17.01
Louisiana	$ 69.93	$ 0.00	$ 100.08	$ 170.01
Maine	$ 2,856.76	$ 0.00	$ 4,093.85	$ 6,950.61
Maryland	$ 160.04	$ 0.00	$ 729.45	$ 889.49
Massachusetts	$ 833.75	$ 0.00	$ 1,532.83	$ 2,366.58
Michigan	$ 776.61	$ 0.00	$ 1,112.83	$ 1,889.44
Minnesota	$ 139.51	$ 0.00	$ 201.26	$ 340.77
Mississippi	$ 307.10	$ 0.00	$ 439.99	$ 747.09
Missouri	$ 66.83	$ 0.00	$ 95.63	$ 162.46
Montana	$ 0.71	$ 0.00	$ 0.98	$ 1.69

Nebraska	**$ 107.33**	**$ 0.00**	**$ 272.27**	**$ 379.60**
Nevada	**$ 151.67**	**$ 0.00**	**$ 174.67**	**$ 326.34**
New Hampshire	**$ 213.18**	**$ 0.00**	**$ 305.36**	**$ 518.54**
New Jersey	**$ 430.45**	**$ 0.00**	**$ 616.73**	**$ 1,047.18**
New Mexico	**$ 0.00**	**$ 0.00**	**$ 0.00**	**$ 0.00**
New York	**$ 1,025.73**	**$ 0.11**	**$ 1,283.67**	**$ 2,309.51**
North Carolina	**$ 303.45**	**$ 0.00**	**$ 434.68**	**$ 738.13**
North Dakota	**$ 45.04**	**$ 0.00**	**$ 64.48**	**$ 109.52**
Ohio	**$ 2,189.84**	**$ 0.00**	**$ 3,138.08**	**$ 5,327.92**
Oklahoma	**$ 35.73**	**$ 0.00**	**$ 51.18**	**$ 86.91**
Oregon	**$ 322.29**	**$ 0.00**	**$ 461.74**	**$ 784.03**
Pennsylvania	**$ 549.20**	**$ 0.02**	**$ 786.94**	**$ 1,336.16**
Rhode Island	**$ 321.85**	**$ 0.00**	**$ 461.15**	**$ 783.00**
South Carolina	**$ 48.68**	**$ 0.00**	**$ 69.61**	**$ 118.29**
South Dakota	**$ 284.57**	**$ 0.00**	**$ 407.73**	**$ 692.30**
Tennessee	**$ 3,141.70**	**$ 0.00**	**$ 4,502.17**	**$ 7,643.87**
Texas	**$ 4,821.50**	**$ 0.00**	**$ 6,909.51**	**$ 11,731.01**
Utah	**$ 86.69**	**$ 0.00**	**$ 124.16**	**$ 210.85**
Vermont	**$ 377.55**	**$ 0.00**	**$ 540.94**	**$ 918.49**
Virginia	**$ 133.11**	**$ 0.00**	**$ 190.62**	**$ 323.73**
Washington	**$ 23.73**	**$ 0.00**	**$ 33.87**	**$ 57.60**
West Virginia	**$ 11.65**	**$ 0.00**	**$ 16.68**	**$ 28.33**
Wisconsin	**$ 268.02**	**$ 0.00**	**$ 383.93**	**$ 651.95**
Wyoming	**$ 13.04**	**$ 0.00**	**$ 18.60**	**$ 31.64**
TOTALS	**$ 29,325.03**	**$ - 0.34**	**$ 43,277.66**	**$ 72,602.35**

RECAP OF REVENUE
APRIL 1, 2011 - MARCH 31, 2012

Distribution of Revenue Collected from Prince Edward Island Base Plated Carriers

Revenue Retained by Prince Edward Island	**$ 885,032.94**
Revenue Collected for Canadian Jurisdictions	**$ 826,062.54**
Total Canadian Revenue Collected from PE Base Plated Carriers	**$ 1,711,095.48**
Total U.S. Revenue Collected from PE Base Plated Carriers	**$ 101,221.31**

Distribution of Revenue Collected from Member Jurisdictions for Prince Edward Island

Revenue Collected for PE by Canadian Jurisdictions	**$ 845,988.00**
Revenue Collected for PE by U.S. Jurisdictions	**$ 72,602.35**

Registration and Licensing

Registration and Licensing service delivery is carried out through a service level agreement with Access P.E.I.

Vehicle Registration Breakdown

Type	2010-2011	2011-2012
Cars	70,375	71,193
Trucks	23,791	23,987
Motorcycles	2,461	2,594
Buses	543	495
Trailer	12,917	13,438
Off-Road Vehicle	1,472	1,336
Miscellaneous - Other Vehicles	673	639
Total Registrations	**112,232**	**113,682**

Total Number of Drivers per Class

Class	2010-2011	2011-2012
CLASS 1 - Tractor Trailers	4,135	4,145
CLASS 2 - Bus for more than 24 passengers including School Bus	1,025	1,026
CLASS 3 - Trucks over 14,000 kgs	5,851	5,545
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	2,862	2,846
CLASS 5 - Car, light truck	87,393	88,180
CLASS 6 - Motorcycle	9,421	9,636
CLASS 7 - Beginner's Instruction Permit	2,886	3,029

SAFETY SECTION

The Safety Section deals with issues relating to the driver and vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users, and by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The countermeasure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement
- National Safety Code

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the *Highway Traffic Act*, regulations, and department policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening and a behind the wheel road test.

Driver Testing Statistics

Knowledge Tests 2010-2011	Knowledge Tests 2011-2012	Road Tests 2010-2011	Road Tests 2011-2012
2945	3009	3481	3516

Driver Education Licensing Certification Program

Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 15 ½ years of age; however, they must wait at least 180 days and be at least sixteen years of age before becoming eligible for a road test.

Nine Commercial Driver Education Schools operated in Prince Edward Island during the year. Each school offered twenty-five hours of in-classroom instruction and ten hours behind-the-wheel training and six hours of observation time as required by the Driving School Regulations.

Driver Education School - Class 5 Driver License

Written Examinations		Road Tests	
2010-2011	1146	2010-2011	1056
2011-2012	1048	2011-2012	1039

Driver Improvement Program

The primary function of driver improvement is to identify problem drivers through their driving record. Interviews and meetings are conducted to encourage drivers to change their driving habits and attitudes in order to reduce fatalities, injuries and property damage. When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points. Nine or more demerit points requires the driver to attend a driver improvement interview, during which the driver is provided with an awareness of a driving problem and the process to a solution for the problem. Twelve or more demerit points results in the suspension for three months of the driver's license. All suspended drivers must attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license. During the year, a total of 67 drivers successfully completed the Driver Improvement Course.

Driver Rehabilitation Program

All drivers who are convicted of a second or subsequent offence for impaired driving pursuant to Section 253(a) (impaired driving), 253(b) (failing the breathalyser), or 254(c) (refusal of the breathalyser)of the *Criminal Code of Canada* must complete a driver risk assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for a first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated. During the year, 188 drivers completed Driver Rehabilitation Program.

Assessment Program

The Alcohol Assessment Referral Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and, if required, undergo curative treatment at an addiction services centre. A probationary driver's license may be returned to the driver if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the treatment program is followed. During the year, a total of 11 drivers participated in the Assessment Program.

Ignition Interlock Program

This program is available to offenders after a drinking and driving conviction and will allow for early reinstatement of a driver's license upon successful application. It is designed to encourage individuals to seek help quickly and address any alcohol-related problems.

The Ignition Interlock Program is a mandatory requirement for reinstatement of a driver's licence for all second and subsequent convictions of impaired driving.

Eligible drivers are issued a restricted driver's license once the interlock device is installed on the vehicle which allows only the operation of that vehicle. The device prevents the vehicle being started if alcohol above a preset level is detected in the driver's breath samples.
All activity is recorded and monitored by Highway Safety Division via a build-in data logger. Failure to comply with operational requirements will result in the removal of the interlock device and reinstatement of the suspension period.

During the year 2011-2012, a total of 98 drivers entered into the Ignition Interlock Program.

Novice Driver Course

The Novice Driver Course is compulsory unless a Driver Education Course has been successfully completed. All new drivers applying for a license must complete either of these courses prior to taking a road test.

The Novice Driver Course is made available through Highway Safety. Courses can be taken in Charlottetown, Montague, Souris, Summerside and Elmsdale. During the year, a total of 823 students successfully completed the Novice Driver Course.

Defensive Driving Course

Courses on safe driving habits have been developed by the Canada Safety Council with the cooperation of provincial governments. In Prince Edward Island, this course is administered by the PEI Safety Council,

which is affiliated with St. John Ambulance. Attendance at these courses is voluntary. Those who successfully complete the course receive a bonus of 3 points which can be used as a credit in the Demerit Point System.
During the year, a total of 83 drivers successfully completed the Defensive Driver Course.

Collision and Reporting System (CARS)
During the year 2011, there were 1831 collisions resulting in 1072 injuries and 18 fatalities. The fatalities included 8 drivers of vehicles, 3 drivers of motorcycles, 5 passengers of vehicles 1 passenger of motorcycle and 1 pedestrian.

Traffic Safety Promotion
Highway Safety provides information regarding traffic safety through the use of the news media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive.

The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Six of the high schools across the province have a Chapter of SADD.

Motor Vehicle Inspection
The Motor Vehicle Inspection Program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety.
The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

Motor Vehicle Inspection Statistics

No. Stations	**No. Mechanics**	**Results of Inspections**	**Cars Light Trucks**	**Trucks**	**Farm Trucks**	**Motorcycle Light Trailer**	**Trailers with brakes**
220	513	Passed	88339	8768	1219	3429	2841
		Rejected	4280	263	26	147	92
Type of Vehicle	# Defective Brakes	# Defective tire/wheels	# Defective suspension	Defective steering	Defective exhaust	#Defective body/frame	windshield & glazing
Light Vehicle	12420	6241	7027	5413	3372	2311	1472
Commercial Vehicle	1642	740	382	387	286	309	201

Commercial Vehicle Enforcement
Roadside Vehicle Checks - Highway Safety Peace Officers, in cooperation with police agencies, conducted 17 roadside vehicle check stops throughout the year. Items checked include driver's license, vehicle registration, inspection, insurance coverage, use of seat belts, window tint and infractions under the *Liquor Control Act*.

Inspection Facilities (Stationary Scales)
There are two weigh scale stations in Prince Edward Island. One is located at Borden-Carleton and the other in Wood Islands. The Borden-Carleton Scales are opened 24 hours a day throughout the year and are staffed by five full-time officers, two full/part-time officers and one relief officer.

The Wood Islands Scales operate from May to mid December each year, and are open daily. Staff includes two permanent full-time officers.

Commercial Vehicle Enforcement Officers are responsible for enforcement of the *Roads Act* and Vehicle Weight Regulations, *Highway Traffic Act* and Regulations, *Transportation of Dangerous Goods Act* and Regulations, *Plant Health Act* and the *Animal Health Act.*

Commercial Vehicle Enforcement Officers assist with the scanning and data entry of the Motor Vehicle Inspection System (contributing to the storage of 90,000 information forms yearly).

Commercial Vehicle Enforcement Statistics

Truck Movement

Activity	Location	Number
Canadian Trucks	Borden/Carleton Scales Wood Islands Scales	210,938 10,850
U.S. Trucks	Borden/Carleton Scales Wood Islands Scales	588 3

Driver and Vehicle Checks

Activity	Location	Number
Driver's Documents	Borden/Carleton Scales Wood Islands Scales	12,244 750
Hours of Work (Driver's Log)	Borden/Carleton Scales Wood Islands Scales	347 12
Trip Inspections	Borden/Carleton Scales Wood Islands Scales	347 12
Dangerous Goods Inspections	Borden/Carleton Scales Wood Islands Scales	19 0

Miscellaneous Activities

Activity	Location	Number
Quick Check Stickers Issued	Borden/Carleton Scales Wood Islands Scales	48 0
Potato disinfectant Slips Collected	Borden/Carleton Scales Wood Islands Scales	7,840 173
Vehicles Checked For Taxable Goods	Borden/Carleton Scales Wood Islands Scales	35 3
Forest Products	Borden/Carleton Scales Wood Islands Scales	952 359
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales Wood Islands Scales	6 1
Apiary Act	Borden/Carleton Scales Wood Islands Scales	5 0
Animal Health Act	Borden/Carleton Scales Wood Islands Scales	25 9
Fisheries Product Act	Borden/Carleton Scales Wood Islands Scales	551 78

Permits Issued

Type	Location	Number	Revenue
In-Transit	Borden/Carleton Scales Wood Islands Scales	50 14	$250.00 $70.00
Oversize	Borden/Carleton Scales Wood Islands Scales	1029 11	$27,290.00 $310.00
Overweight	Borden/Carleton Scales Wood Islands Scales	216 2	$5,400.00 $50.00
Trip	Borden/Carleton Scales Wood Islands Scales	461 10	$60,800.00 $1050.00
Fuel	Borden/Carleton Scales Wood Islands Scales	377 12	$9,425.00 $300.00
Work	Borden/Carleton Scales Wood Islands Scales	64 2	$13,700.00 $600.00
Non-Compliance	Borden/Carleton Scales Wood Islands Scales	179 2	$17,900.00 $200.00
Disinfection Fees	Borden/Carleton Scales Wood Islands Scales	1,576 15	$16,548.00 $159.00
Other Category B	Borden/Carleton Scales Wood Islands Scales	0 0	0.00 0.00
TOTALS	Borden/Carleton Scales Wood Islands Scales	3,952 68	**$151,313.00** **$2,729.00**

Recorded Violations

Item	Location	Number	Revenue
Roads Act	Borden/Carleton Scales Wood Islands Scales	36 9	$5,437.00 $1832.00
Highway Traffic Act	Borden/Carleton Scales Wood Islands Scales	4 3	$630.00 $660.00
Dangerous Goods Act	Borden/Carleton Scales Wood Islands Scales Portables	0 0 0	0 0 0
TOTALS	Borden/Carleton Scales Wood Islands Scales	40 12	$6,067.00 $2,492.00

Enforcement Officers conduct Commercial Vehicle Safety Alliance (CVSA) roadside inspection of drivers and vehicles and loads carried.

Vehicles inspected fall into three categories:

- Pass (CVSA sticker applied to vehicle)
- Out of Service (vehicle must be towed or repaired before it proceeds)
- Restricted (Vehicle must be repaired before next dispatch).

Driver's inspected fall into two principle areas:

- Non-compliant
- Compliant

These inspections would include hours of service (log book), status of license, required endorsements, etc.

Commercial Vehicle Safety Alliance Statistics

Item	2010-2011	2011-2012
Total Number of Trucks & Truck Trailers Inspected	575	450
Power Units Out Of Service	45	31
Tractor Trailers Out Of Service	12	15

The Portable Scale Unit consists of one vehicle and portable wheel weigher scales. The unit is staffed by two permanent full-time officers.

Officers enforce the *Roads Act*, Vehicle Weight Regulations, *Highway Traffic Act*, *Transportation of Dangerous Goods Act*, Fuel Tax, *Plant Health Act* and *Animal Health Act.*

Portable Scales Statistics

Charges	Revenue
141	$ 35,084.00

Carrier Management

The National Safety Code Auditor completed 18 educational visits to carrier locations throughout the province. As well, there were thirteen Carrier Audits completed and four presentations to transportation groups on the new Hours of Service Regulations.

Dealer Audits

Highway Safety Officers completed audits of the Licensed Dealers in P.E.I. These audits are to ensure compliance with the regulations for holding a Dealer's Trade License.

PUBLIC WORKS and PLANNING DIVISION

The Division provides the staff and resources required to:

- Complete strategic planning for the highway network and other transportation sectors.
- Complete the design and construction of new, as well as, renovation of existing buildings for Government departments, boards, and agencies.
- Operate and maintain buildings owned or leased by the Department.

General activities and specific projects carried out by each Section are summarized as follows:

PLANNING

The Planning Section is responsible for the assessment and analysis of transportation requirements and policies within the Province, including road, air and marine modes. This section also provides professional engineering support and direction, as resources permit, in the following areas:

- strategic and functional highway planning;
- participation in numerous federal/provincial/territorial committees working on transportation policy issues;
- strategic federal policies, regulations, infrastructure and services on Prince Edward Island;
- creation of briefing packages for national and regional meetings attended by the Minister and Deputy Minister;
- creation of preliminary design options;
- department representation during the planning and implementation of infrastructure development projects on behalf of municipalities and community development groups;
- preparation and review of traffic studies, site impact analysis, and level-of-service analysis;
- facilities planning;
- project management support and supervision for special projects relating to transportation planning, design and highway construction; and
- support and planning with regard to the implementation and management of transportation research initiatives and new technologies which have the potential to contribute to the enhanced economic development by improving safety and efficiency on the provincial highway network.

Planning Section staff represent the Province on several national, international, regional, and provincial committees, including the following:

- Aviation Standing Committee
- Policy and Planning Support Committee (PPSC)
- NHS Review Task Force
- 511 Traveler Information Task Force
- Sustainable Transportation Task Force
- Transportation Report Card Task Force
- Intercity Bus Service Task Force
- Atlantic Canada Airports Association
- Board of Examiners, Land Surveyors Association (Chair)
- Climate Change Working Group
- Data Strategy Committee, Climate Change
- Atlantic Provinces Transportation Committee
- Atlantic Intelligent Transportation Systems Committee
- North Atlantic Transportation Planning Officials
- Atlantic Provinces Transportation Forum
- National Vision for Transportation in Canada Task Force

In addition, the section is responsible for monitoring activity and progress of various other committees and task forces where relevant.

The Planning Section was involved in various projects, including the following:

National Highway System

Following the success of the Planning section's efforts to expand the National Highway System (NHS) in 2004 and 2005, work has continued on the F/P/T NHS Review Task Force to address the need for ongoing review of the NHS and development of a regular report card on NHS condition and performance nation-wide. On PEI, Routes 1, 1A, 2, and 3 comprise the NHS.

Atlantic Canada Transportation Strategy

At the direction of Atlantic Ministers of Transportation, a task force was formed in the fall of 2005 to develop an Atlantic Canada transportation strategy. The Planning section represents the province on this task force. The strategy document, entitled *"Charting the Course: Atlantic Canada Transportation Strategy 2008-2018"* was released by Atlantic Ministers responsible for transportation in January 2008.

The strategy identifies a common vision for regional transportation, strategic regional multi-modal infrastructure, challenges facing transportation in Atlantic Canada, and an action plan to address these challenges. Progress on issues identified in the Strategy is measured each year, and an annual progress update is planned, pending Atlantic Ministers approval.

Transportation Infrastructure Needs

The assessment of road infrastructure needs is ongoing. Road infrastructure needs are monitored regularly and summarized often to quantify the need, enabling effective planning for infrastructure funding. The provinces National Highway System is the primary highway in the Province; monitoring and addressing its infrastructure needs remains a priority. To this end, the Planning Section works with the Capital Projects Division to update the need assessment for this network as required, including road and bridge reconstruction and rehabilitation.

Transportation and Infrastructure Strategic Plan

Section staff worked with other Department staff to begin development of a strategic plan for the department. This plan will identify key challenges and trends facing the Department, and will identify key goals, performance measures, and actions planned over the next 3 years.

National Vision for Transportation in Canada

Section staff represented the Department and Province in the ongoing development of a national vision for transportation, covering the next 20 years. The development of this document is being led by the national Council of Ministers Responsible for Transportation and Highway Safety. It will identify challenges and trends facing transportation nationwide, and will make a case for and guide transportation infrastructure investment going forward.

BUILDING DESIGN AND CONSTRUCTION

The Building Design and Construction Section is responsible for the design and preparation of tender documents required for the construction or renovation of various government and client buildings; as well as the supervision and inspection of construction work to ensure that contracts are completed in accordance with plans, specifications, and budget allocations. The design work is either performed by staff or private consultants, engaged for a specific project. The design and planning work includes the following:

- evaluation of existing buildings
- development of concept plans
- preparation of cost estimates
- preparation of working drawings and specifications required to obtain tenders, receipt of tenders and preparation of construction contracts
- construction contract administration and quality control
- preparation of request for proposals covering required consultant and construction management services and evaluation of these proposals.

Construction Management, with multiple trade contract packages, was used for the QEH Ambulatory Care Centre project, Health's Long Term Care Facilities and Spring Park Elementary School in lieu of the traditional lump sum general contract tender. This approach expedited the projects, increased the amount of competition and especially at the QEH Ambulatory Care Redevelopment project assisted with scheduling the work to meet the needs for continued operations at the acute care hospital.

Design work was completed and tenders were received during the year for the following projects:

SCHEDULE OF CONSTRUCTION TENDERS RECEIVED
April 1, 2011 - March 31, 2012

TIR Fuel Oil Storage - April 1, 2011	
MacLean Construction	$72,070.00
Brumac Construction	$75,240.00
Ryson Interior Construction	$80,280.00
Fitzgerald & Snow Ltd.	$80,500.00
WM&M (1993) Ltd.	$83,449.00

Summerset LTC Facility TP#1 - Site, Foundation and Slabs - April 28, 2011

Duffy Construction	$1,446,000.00
Island Coastal Services	$1,716,000.00
Curran & Briggs	$1,726,463.00
AJL Ltd.	$1,837,000.00
MacLean Construction	$2,258,000.00

Summerset LTC Facility TP#2 - Building Enevelope- May 12, 2011

Fitzgerald & Snow Ltd.	$2,154,800.00
MacLean Construction	$2,325,000.00
WM&M (1993) Ltd.	$2,483,000.00

Prince County Dialysis Centre - May 19, 2011

WM&M Ltd.	$1,886,000.00
MacLean Construction	$1,930,240.00
Fitzgerald & Snow Ltd.	$1,994,000.00
Marco Maritimes Ltd.	$2,170,000.00

PE Home LTC Facility TP#1 - Site Work - May 24, 2011

Island Coastal Services	$715,569.81
Island Excavators Ltd.	$773,383.00

Summerset LTC Facility TP#3 - Mechanical - May 31, 2011

Bevan Brothers	$2,674,000.00
Precision Mechanical	$2,738,000.00

Summerset LTC Facility TP#4 - Sprinkler - May 31, 2011

Island Sprinkler	$337,000.00
Vipond	$429,797.00
Troy Sprinkler	$451,163.00

Summerset LTC Facility TP#5 - Electrical - May 31, 2011

Olympia Electric	$1,383,000.00
Entire Electric	$1,478,400.00
Hansen Electric	$1,569,000.00
DBA Solar Electric	Non Compliant

Blufield High School - Envelope Repair - May 31, 2011

WM&M Ltd.	$679,350.00
Brumac Construction	$844,456.00
MacLean Construction	$1,056,200.00

Summerset LTC Facility TP#10 - Laundry Equipment - June 2, 2011

East Coast Laundry	$30,707.26
Harco	$62,492.00

Analytical Laboratory 2011- June 7, 2011

MacLean Construction	$4,868,000.00
Brighton Construction	$5,129,000.00
Maco Maritimes	$5,253,000.00
PCL Constructors	$5,326,000.00
Fitzgerald & Snow Ltd.	$5,392,000.00

Ecole Evangeline Early Years Centre - June 9, 2011

Wellington Construction	$142,418.00

Summerset LTC Facility TP#6 - Interior Fit Up- June 14, 2011

Wellington Construction	$2,784,800.00
Fitzgerald & Snow Ltd.	$2,824,000.00

West Royalty School - Drainage Swale - June 16, 2011

Island Excavators Ltd.	$16,950.00
Island Coastal Services	$39,000.00

Summerset LTC Facility TP#9 - Kitchen Equipment - June 21, 2011

Summertime Industries NBLtd.	$495,327.00
Jessom Food Equipment	Non-compliant
Bryon Ferguson Sales Inc.	$508,000.00

Margaret Stewart Ellis LTC Addition - June 23, 2011

GIA Ltd.	$1,992,000.00
MacLean Construction	$2,414,750.00

Spring Park School - Demo - June 29, 2011

Kings County Construction	$137,550.00
Island Coastal Services	$159,400.00
Maintenance Services Ltd.	$168,500.00
G&P Trucking	$185,652.00
A&L Concrete	$299,940.00
Birt & MacKay Backhoe Services	$301,090.90
Vector Demolition	$357,000.00

Morell Consolidated - Building Repairs - June 30, 2011

WM&M Ltd.	$1,051,050.00
Fitzgerald & Snow Ltd.	$1,097,442.00
Brumac Construction	$1,113,000.00

Sherwood Elementary - Partial Roof Replacement - July 7, 20111

Ashe Roofing Ltd.	$43,700.00
Atlantic Roofers Ltd.	$52,770.00

PE Home LTC Facility TP#2 - Building Envelope - July 12, 2011

CDI Construction	$1,691,216.00
MacLean Construction	$1,736,795.00
Fitzgerald & Snow Ltd.	$2,245,000.00

Summerset LTC Facility TP#8 - Landscaping - July 13, 2011

Island Coastal Services	$244,500.00
AJL Ltd.	$287,000.00
Duffy Construction Ltd.	$348,000.00

Three Oaks Career & Technical Centre - July 25, 2011

MacLean Construction	$4,011,000.00
Fitzgerald & Snow Ltd.	$4,048,000.00
Brighton Construction	$4,058,000.00
Dora Construction	$4,136,600.00
Opron General Contractors	$4,387,000.00

Summerset LTC Facility TP#7 - Millwork - July 26, 2011

Harding & Thomson Woodworking	$519,895.00
Chandler Cabinets & Millwork	$653,468.88
Novawood Products Ltd.	$724,200.00

Colville/Maplewood TP#13B - Signage - July 26, 2011

Sign Station	$39,062.49

Colville/Maplewood TP#13C - Draperies - July 28, 2011

Interiors By Lynette (Maplewood)	Non compliant
Interiors By Lynette (Colville)	Non compliant

Ecole-sur-Mer - Classroom Addition - July 28, 2011

WM&M Ltd.	$286,500.00
Wellington Construction	$290,953.00
MacLean Construction	$353,000.00

O'Leary Elementary - Partial Roof Replacement - July 28, 2011

Atlantic Roofing	$28,987.00
Ashe Roofing	$30,545.00

Central Queens - Early Years Centre - July 29, 2011

MacLean Construction	$264,983.00
MacLellan Construction (withdrew)	$197,843.40
WM&M Ltd.	$301,500.00
CDI Construction	$319,000.00

Sherwood Elementary - Brick Replacement - August 2, 2011

WM&M Ltd.	$24,800.00
Brighton Construction	$25,000.00
MacLean Construction	$32,900.00

Three Oaks High School - Partial Roof Replacement - August 16, 2011

Ashe Roofing Ltd.	$66,940.00
Atlantic Roofers Ltd.	$79,575.00

QEH ACC TP#3 - Site Development - August 16, 2011

Birt & MacKay Backhoe Services	$296,801.54
Island Coastal Services	$332,119.23

PE Home LTC Facility TP#3B - Building Envelope (Roofing) - August 23, 2011

Ashe Roofing	$78,700.00
Atlantic Roofers	$94,770.00

PE Home LTC Facility TP#3B - Building Envelope (Core) - August 23, 2011

MacLean Construction	$1,206,000
Fitzgerald & Snow (2010) Ltd.	$1,283,000
CDI Construction	$1,345,000
WM&M (1993) Ltd.	$1,421,000

Birchwood Junior High - Asphalt Pad - August 24, 2011

J.E. Matheson Construction	$16,692.50
Island Coastal Services Ltd.	$20,985.46
Curran and Briggs	$23,800.00

PE Home LTC Facility TP#16 - Concrete Slab on Grade - September 8, 2011

MacLean Construction	$445,500.00
CDI Construction	$479,500.00

PE Home LTC Facility TP#5 - Elevator - September 8, 2011

Thyssen Krupp Elevator	$293,295.00
Otis Canada Inc.	$320,500.00

Spring Park School - Site Preparation - September 13, 2011

Kings County Construction	$73,575.00
Island Coastal Services	$87,681.30

Spring Park School - Foundation - October 4, 2011

Brighton Construction	$337,000.00
Southern Kings Construction	$387,000.00
MacLean Construction	$406,000.00

Beach Grove Home - Sidewalk Replacement - October 13, 2011

Ostridge Bros. Inc.	$47,600.00
Fitzgerald & Snow Ltd.	$71,850.00

QEH ACC TP#18 - Signage - October 13, 2011

Sign Craft	$58,096.00
Sign Station	$66,066.00

PE Home LTC Facility TP#9 - Electrical - October 25, 2011

Olympia Electric	$1,978,000.00
DBA Solar Electric	$2,029,745.00
Hansen Electric	$2,121,000.00

PE Home LTC Facility TP#7 - Mechanical - October 25, 2011

Bevan Brothers	$3,688,000.00
Precision Mechanical	$3,995,000.00
Mr. Plumber	$3,997,799.00
Entire Mechanical Contractors	$4,096,000.00

PE Home LTC Facility TP#6 - Fire Protection - October 25, 2011

Viking Fire Protection Inc.	$806,250.00
Troy Life & Safety Ltd.	$879,000.00

Stonepark School - Partial Roof Replacement - October 25, 2011

Ashe Roofing Ltd.	$36,700.00
Atlantic Roofers Ltd.	$43,772.00

Summerside Waterfront Mall - Liquor Store Renovations - October 27, 2011

Island Windows Doors & Siding	$22,362.50
Carpenters Inc.	$24,200.00
MacLean Construction	$51,200.00

PCH - LAN Room Upgrades - October 27, 2011

Entire Mechanical Contractors	$256,000.00
Troy Life & Safety Ltd.	$449,000.00

O'Leary Community Hospital - Partial Flooring - November 1, 2011

Tile Master Inc.	$17,590.00
Tignish Co-op	$19,443.51
Loyalist Marble & Tile	$19,450.00
City Flooring	$24,835.65
Hardy's Flooring	$30,500.00

LCC Chilled Beverage Storage - O'Leary - November 8, 2011

Craig Construction	$42,400.00
WM&M Ltd.	$43,000.00
Entire Mechanical Contractors	$43,000.00
Ryson Interior Construction	$55,348.00

LCC Chilled Beverage Storage - Tyne Valley - November 8, 2011

Craig Construction	$47,500.00
Entire Mechanical Contractors	$47,900.00
WM&M Ltd.	$48,400.00
Ryson Interior Construction	$57,684.00

LCC Chilled Beverage Storage - Wellington - November 8, 2011

WM&M Ltd.	$68,600.00
Entire Mechanical Contractors	$73,140.00
Craig Construction	$80,900.00

Ryson Interior Construction	$86,334.00

LCC Chilled Beverage Storage - Borden - November 8, 2011

WM&M Ltd.	$42,000.00
Entire Mechanical Contractors	$42,190.00
Craig Construction	$42,200.00
Ryson Interior Construction	$51,789.00

LCC Chilled Beverage Storage - Alberton - November 8, 2011

WM&M Ltd.	$45,600.00
Craig Construction	$48,800.00
Entire Mechanical Contractors	$49,800.00
Ryson Interior Construction	$59,945.00

PE Home LTC Facility TP#4 - Interior Fit Up - November 8, 2011

Southern Kings Construction	$2,643,000.00
MacLean Construction	$2,992,450.00
Fitzgerald & Snow Ltd.	$3,068,000.00

Prince County Youth Facility - Asphalt Pad - November 8, 2011

Curran & Briggs	$9,972.00
Island Coastal Services	$13,185.56

Provincial Youth Facility - December 1, 2011

Fitzgerald & Snow Ltd.	$240,800.00
MacLean Construction	$280,635.00

Provincial Correctional Centre - Clinical Area Renovations - December 8, 2011

WM&M Ltd.	$87,400.00
CDI Construction	$94,530.00
MacLean Construction	$94,693.00
Ryson Interior Construction	$101,845.00
Fitzgerald & Snow Ltd.	$113,400.00
Milton Jenkins Construction Ltd.	$132,000.00

LCC Warehouse - New Mezzanine - December 8, 2011

MacLean Construction	$40,712.00
Highfield Construction Ltd.	$41,000.00
Island Windows Doors & Siding	$48,234.41
Ryson Interior Construction	$48,992.00
Carpenter's Inc.	$49,050.00
WM&M Ltd.	$49,450.00
CDI Construction	$49,875.00
Milton Jenkins Construction Ltd.	$52,450.00

Ecole Francois Buote - Partial Re-Roofing - December 12, 2011

Ashe Roofing Ltd.	$59,500.00

LCC Warehouse - Exterior Concrete Pad (Summer) - December 16, 2011

Highfield Construction Ltd.	$59,900.00
Ostridge Bros. Inc.	$73,209.81
Ryson Interior Construction	$78,749.00
WM&M Ltd.	$75,330.00
Central Roadways	$88,000.00

Beach Grove Home - Dehumidification - January 19, 2012

J&S Sheet Metal	$109,600.00
Entire Mechanical Contractors	$112,600.00

Western Hospital - Fire Alarm Upgrade - January 31, 2012

DBA Solar Electric	$56,350.00
Hansen Electric	**$63,500.00**

Ecole Evangeline - Oil Tank Replacement - February 10, 2012

GNL Environmemtal Inc.	$29,679.72
Red Isle Plumbing and Heating	$30,060.00
Creeds Petroleum Equipment Maintenance Ltd.	$34,714.00

PE Home LTC Facility TP#15 - Laundry Equipment - March 1, 2012

East Coast Laundry Equipment Ltd.	$34,570.00
MacArthur Appliances	$36,902.80

PE Home LTC Facility TP#14 - Kitchen Equipment - March 1, 2012

MacArthur Appliances	$53,499.60
Summertime Industries NBLtd.	$454,567.00
Jessom Food Equipment	$486,588.96

Spring Park School TP#5 - Structural Steel and Misc. Metals - March 7, 2012

Prebilt Steel	$688,000.00
Livingston Steel Inc.	$729,945.00

Spring Park School TP#17 - Site Development - March 15, 2012

Island Coastal Services	$458,989.00
Kings County Construction	$512,480.00
Birt & MacKay Backhoe Services	$594,608.75

Spring Park School TP#16 - Gym Floor & Equipment - March 15, 2012

Centaur Products	$106,977.00
Advantage Sports	$73,000.00

Spring Park School TP#15 - Elevator - March 15, 2012

Thyssen Krupp Elevator	$61,665.00
Ottis Elevator	$61,791.05

Spring Park School TP#12 - Interior Fit Up - March 15, 2012

Fitzgerald & Snow Ltd.	$1,619,000.00
WM&M (1993) Ltd.	$1,661,000.00
Brumac Construction	$1,662,000.00
MacLean Construction	$1,677,200.00
CDI Construction	$1,777,000.00

Spring Park School TP#11 - Electrical - March 15, 2012

Olympia Electric	$697,000.00
Hansen Electric	$704,000.00
DBA Solar Electric	$873,353.00

Spring Park School TP#10 - Fire Protection - March 15, 2012

Atlantica Mechanical	$158,315.00
B&G Sprinkler Ltd.	$161,500.00
Troy Life & Safety Ltd.	$165,000.00
Vipond Fire Protection	$197,780.00
Viking Fire Protection Inc.	$216,000.00
Island Sprinkler Systems	$248,000.00

Spring Park School TP#9 - Mechanical - March 15, 2012

Precision Mechanical	$1,105,000.00
Mr. Plumber	$1,127,900.00
Bevan Bros. Ltd.	$1,178,000.00

Entire Mechanical Contractors	$1,444,000.00
Atlantica Mechanical	$1,567,000.00

Spring Park School TP#8 - Metal Siding - March 15, 2012

Vic West Corporation	$290,137.00
WM&M (1993) Ltd.	$326,000.00
Fitzgerald & Snow Ltd.	$329,000.00
Dowd Cladding & Metals Ltd.	$379,000.00

Spring Park School TP#7 - Roofing - March 15, 2012

Flynn Canada Ltd.	$414,700.00
Ashe Roofing Ltd.	$421,200.00
Atlantic Roofers Ltd.	$425,870.00
A-Tech Roofing Ltd.	$558,800.00

Spring Park School TP#6 - Aluminum Windows & Entry - March 15, 2012

O'Connor Glass Ltd.	$360,978.00
Economy Glass	$495,000.00

Spring Park School TP#4 - Masonry - March 15, 2012

West Masonry	$1,229,900.00
MCM Bricklayers	$1,326,000.00
Wildwood Masonry	$1,869,000.00

Ecole Evangeline - Building Envelope Upgrades - March 20, 2012

G.I.A. Ltd.	$108,000.00
Wellington Construction	$109,445.00
Fitzgerald & Snow Ltd.	$123,800.00
MacLean Construction	$202,900.00

Stonepark School - Building Envelope Repairs - March 20, 2012

Island Windows Doors & Siding	Withdrew
CDI Construction	$18,950.00
Brumac Construction	$19,870.00
Fitzgerald & Snow Ltd.	$22,750.00
Highfield Construction Ltd.	$28,900.00
MacLean Construction	$35,750.00
WM&M (1993) Ltd.	$39,900.00

PE Home LTC Facility TP#11- Millwork - March 20, 2012

Nova Wood Products Ltd.	$942,600.00
Chandler Cabinets & Millwork	$1,008,036.00

PE Home LTC Facility TP#10 - Flooring - March 20, 2012

Loyalist Marble & Tile	$526,000.00
Tile Master Inc.	$538,000.00
Floors Plus	$698,763.00

Three Oaks Senior High School - Partial Roof Replacement -March 20, 2012

Ashe Roofing Ltd.	$99,940.00
Atlantic Roofers Ltd.	$101,977.00

Projects from Previous Year

Contract administration and quality control was also provided for the following projects that were tendered prior to April 1, 2011:

- Beechwood Urgent Care - Addition
- Summerside Seniors Apartment Complex
- Miscouche Consolidated School Addition

- QEH Ambulatory Care Centre - Trade Packages
- Colville LTC Facility
- Maplewood LTC Facility
- Tracadie Cross Youth Facility
- TIR Storage Warehouse

BUILDING MAINTENANCE AND ACCOMMODATIONS SECTION

The Building Maintenance and Accommodations Section is responsible for the provision of quality services for Government in the areas of building operations, maintenance, and accommodations; including the day to day operation and maintenance of Government buildings and systems. It is also responsible for the short and long term spatial requirements of Government Departments and Agencies within Government owned and/or leased facilities.

Building Maintenance and Accommodations Section projects included:

Island Wide Services

- Elevator maintenance contracts
- Snow removal contracts
- Grass cutting contracts
- Pest control services
- Garbage removal
- Janitorial contracts
- Security services

Prince County

Alberton Access

- Painted basement floor

Kensington Potato Services Building

- Exterior staining
- Carpet replaced

Tyne Valley Youth Centre

- Exterior staining

Borden Scalehouse

- New oil tank
- Repairs to rubber around scale decks

Summerside Highways Garage

- Oil tank protection installed
- Screen door installed on parts room

Prince County Courthouse

- Heating coil replacement in unit
- Sidewalk repairs
- Front step and railing repaired

Tignish Sign Shop

- New asphalt shingled roof installed

Summerside Access

- Painted interior
- New lights installed in some areas
- Air conditioner repairs

Mt Pleasant VIC

- Roof repairs

O`Leary Access

- New lighting installed in part of building
- Flooring in some areas

Acadien Museum

- New boiler and humidification systems installed
- New UV light

Green Park Yoe House

- New hot air furnace

Tyne Valley Youth Centre

- New counter top

Wellington Forestry

- Repairs to roof

Summerside Youth Centre

- Sidewalk repairs
- Some lights replaced

Queens County

Jones Building

- Maintenance painting done through out building
- Cleaning of air handling unit
- New lighting all floors

Shaw Building

- Maintenance painting done through out building
- New flooring 3 floor North
- Electronic door open 1st floor Centre
- Window blinds installed in various areas
- Walls refinished cabinet room
- Office renovations various areas
- Exterior fountain work
- Elevator cab upgrade and new hoist ropes
- Trimming of trees
- New shop table saw
- Connections to water supply for fire pump testing

Sullivan Building

- Maintenance painting done through out building
- Electronic door open 1st floor
- Concrete sidewalk removal
- New generator pad
- Air conditioner units installed in main Lan room
- Window blinds installed in various areas
- Emergency power supply upgraded
- New fire suppression system in cafeteria
- Electrical upgrade boiler room
- New concrete wall and sidewalk
- Replace drain pan to basement
- Upgraded lighting in underground parking
- Elevator cab upgrade and new hoist ropes
- Fan system 22 replaced
- Motor Control Centre replaced in boiler room

Government House
- Painted exterior of main house and guard house
- Inspection on chimneys
- Exterior shutters stripped and panted
- Removal old dead trees

Davis Law Courts
- Repairs to exterior brick
- Repairs to air handling systems
- Installation of bullet proof film on windows
- Repairs to copper roof
- New deep water well pump for A/C unit

Blanchard Building
- Installed file system
- Renovated office space

Aubin Arsenault Building
- Office renovations
- Air Conditioning lower level

Province House
- Painting offices
- Carpet in offices

Provincial Correctional Centre
- Vinyl Tile install in various areas
- Cleaned duct work
- New boiler pump control starters
- Painted maximum unit
- Phase 1 of sewer upgrade
- New lighting control relays panels

Kelly Courthouse
- Carpet replaced 1st floor

Customs House
- Carpet replaced 1st floor

Morrison Cottage
- New asphalt shingled roof installed

Mona Wilson Building
- New asphalt shingled roof installed
- Power plugs and panel installed for 23 air conditioner units
- Carpet replaced 1st and 2nd floors
- Installed 23 air conditioners

Kings County

Montague Office Complex
- Construct new office
- Interior painting
- Replaced circulatory pump
- New interior lighting installed

Georgetown Courthouse
- Interior painting

Mount Stewart Materials Lab
- Exterior painting of building

Orwell Corner Historic Village
- Replaced roof on church
- Replaced furnace in Community Hall

Wood Island Scale House
- Replaced UV light

Basin Head Fisheries Museum
- Exterior painting of Museum and Cannery
- Replaced sewage lift station pump

Montague Office Centre
- Interior painting
- New interior lighting installed

Elmira Railway Station
- Supplied and installed new UV light and filter

Lea Crane Building
- Interior painting

MacPhail's Homestead
- Shingled roof of storage building

Southern King's and Queen's Food Bank
- Replaced three exterior doors

Rollo Bay School
- Changed T12's to T8's in classrooms
- Installed new counter top

South Hampton Forestry
- Installed new data wiring
- Replaced T12 lighting with T8 in workshop

Morell Library
- Window blinds installed

LAND AND ENVIRONMENT DIVISION

The Land and Environment Division is comprised of three Sections including Environmental Management, Properties and The Office of the Provincial Chief Surveyor. The Division provides the staff and resources required to:

- provide environmental management and regulatory compliance services for the Department, and for others conducting activities within the Provincial right-of-way.
- provide core land management and administration for all government lands and holdings, and real estate services on behalf of all government departments.
- provide land and engineering surveying services for the Department and other government agencies, provide expertise on boundary law and the law on public roads, and maintain the Provincial cadastral infrastructure.

General activities and specific projects carried out by each Section are summarized below.

ENVIRONMENTAL MANAGEMENT SECTION

The Department's Environmental Management Section (EMS) is responsible to ensure environmental management and regulatory compliance during construction and maintenance work performed by the Department, or by others, within the Provincial Right-of-Way (ROW). The Section implements an Environmental Management System that includes the following key elements: departmental project approval process; environmental protection planning; project inspections and compliance monitoring; environmental education and training; environmental design and planning; policy/program development; environmental assessments and studies; and, public consultation and public partnering projects. Highlights of the Section's activities are provided below.

PROJECT REGISTRATION AND APPROVAL PROCESS

The Department's approval process remains the cornerstone for environmental control on a project-by-project basis. This process requires that each maintenance or construction project, or any work activity by others within the Provincial ROW, be registered with the Environmental Management Section (EMS) through submission of a project application form and/or with a site meeting. Subsequently, the proposed projects are inspected and assessed for potential environmental effects, and an approval-to-proceed is issued complete with project specific conditions-of-approval. All field staff working within the Environmental Management Section are designated as Environmental Protection Officers under the *PEI Environmental Protection Act*. All approvals issued by the EMS are issued under authority of the self-permitting agreement that has been developed between the Department of Transportation and Infrastructure Renewal and the Department of Environment, Labour and Justice (DELJ).

Project Approvals

The EMS issues four types of project approvals. The type of approval issued is based an assessment of the environmental risk associated with the project, the time of year, and the method in which the project will be completed. The four types of project approvals are:

- Blanket Approval;
- Field Approval;
- Approval-to-Proceed; and,
- Approval-to-Proceed with accompanying Watercourse, Wetland or Buffer Zone Activity Permit issued by DELJ.

The Section processed 272 environmental assessments/project approvals during 2011/2012, including 180 field approvals. A summary of the 272 approvals issued during the year is provided in the table below. They are categorized by county and approval-type. Typically, each approval involves a pre-construction project site inspection, identification of job-specific conditions-of-approval, issuance of the approval-to-proceed, and follow-up environmental compliance inspections on each project.

2011 Environmental Management Section Project Approvals

County	Blanket Approval	EMS Approval (only)	EMS Field Approval	EMS Approval & DELJ Permit	Total
Prince	6	7	49	5	67
Queens	6	25	55	17	103
Kings	6	16	76	4	102
Province	18	48	180	26	272

Blanket Approvals

Across the Province, the Department conducts several activities that are repetitive in nature with low potential for causing adverse environmental effects. To simplify the approval process for these types of activities, the activities have been grouped by activity-type and each activity-type has been assigned a *blanket approval* with standardized conditions-of-approval. Generally, a blanket approval provides authorization for multiple projects of the same activity-type to be completed under a district by county-based approval.

EMS now issues blanket approvals to our Highway Maintenance Division (HMD), Bridge Maintenance Section, Capital Projects, Confederation Trail, Canada Post, and Maritime Electric. The issuing of these approvals allows us to streamline the project registration and approval process while at the same time maintaining established standards of environmental protection. A summary of projects completed in each county during 2011/2012 for the various blanket approval types is provided in the table below.

2011 Blanket Approval Summary

Blanket Approval Type 2011	Number of Blanket Approval Projects Completed			
	Kings County	Queens County	Prince County	Provincial Total
Millings, Gravel and/or Asphalt Placement	36	21	14	71
Road Bump Installations	-	3	4	7
Shore Access	-	12	12	24
Maintenance of Environmental Controls	33	70	18	121
Guardrail Reinstatement (with shoulder work)	25	35	18	78
Confederation Trail Surface and Slope Repairs	5	2	6	13
Confederation Trail Vegetation Management	-	8	-	8
Welcome Mat Maintenance (i.e. asphalt, painting, etc.)	-	-	10	10
Ditching	26	22	54	102
Brush Cutting	84	40	170	294
Timber Pile Bridge Minor Repair	4	9	5	18
Unpaved Road Improvements With/Without Ditching (not within 30 m of Watercourse/Wetland)	12	104	24	140
Surface Water Cross Culvert Replacement	2	6	11	19

Repair, Increase or Replace Stabilization Materials at Watercourse/Wetland	9	9	9	27
Maintenance of Provincial Tap Drains	-	5	5	10
Repair/Replace Timber Floors	-	2	-	2
Shoulder Grading/Planing & Material Placement	26	45	17	88
Box, Arch and Round Culvert Maintenance	7	-	2	9
Painting Bridge Structures	-	2	-	2
Road Re-Construction incl. Widening of Shoulders and/or Addition to Turning Lanes	-	-	4	4
Debris Removal From Structures	1	5	2	8
Asphalt Overlay	-	13	44	57
Totals	270	413	429	1,112

Field Approvals

The field approval enables a project proponent to receive an approval-to-proceed from the EMS Environmental Officer at the initial site meeting, with no additional paperwork or submission requirements. Most projects that receive a field approval have a greater potential for causing environmental impacts that those projects that would receive an EMS Approval-to-Proceed. In 2011/2012, 180 field approvals were issued.

EMS Approval-to-Proceed

The EMS Approval-to-Proceed permit allows our Environmental Management Section to issue approvals for projects that present a higher degree of environmental risk. Each proposed project is subject to an application process that provides a Departmental Environmental Officer with an opportunity to review the project, workplan, timeframe, assess the potential impacts and develop a set of conditions to be followed. In 2011/2012, 48 EMS Approval-to-Proceed permits were issued.

EMS Approval-to-Proceed with DELJ Watercourse, Wetland, or Buffer Zone Activity Permits

Projects which are approved under the EMS Approval-to-Proceed with DELJ Watercourse, Wetland, or Buffer Zone Activity permits are subject to review by EMS, the Provincial Department of Environment, Labour and Justice and, in some circumstances, Fisheries and Oceans Canada. These types of projects include activities which are considered to be of significant risk to the environment. Similar to the EMS Approval-to-Proceed permit, projects approved under this type of permit are subject to an application process, which involves a review of the project, workplan, timeframe, and an assessment of the potential environmental impacts. Upon completion of the review, an approval with specific conditions is issued.

Environmental Audit Results

A joint end-of-construction season environmental audit was conducted in the Fall of 2011 with representatives from the Department of Environment, Labour and Justice and Fisheries and Oceans Canada. Twenty-seven projects were audited from across the Province. The audit results, which rate project compliance with assigned conditions-of-approval, conclude that TIR projects conducted in 2011 construction season, meet most of, meet, or exceed their environmental requirements. This rating is consistent with the Department's environmental performance for previous years, indicating consistently strong environmental performance by the Department, with opportunities for improvement, training, and ongoing communication.

MISCELLANEOUS INITIATIVES AND SERVICES

The EMS is involved with completing or coordinating a variety of additional environmental initiatives/services. Some of the more notable are described below.

Harmful Alteration Disruption or Destruction (HADD) Habitat Banking Initiative

TIR undertakes a limited number of projects that may result in a harmful alteration, disruption or destruction of fish habitat, known as HADD. For these projects, EMS staff negotiate with Fisheries and Oceans Canada to determine appropriate compensation for the HADD; this negotiation is very time consuming, expensive, and often difficult to resolve. Our Department, like many jurisdictions across Canada, has established a Habitat Bank. This bank allows us to continue our beneficial partnerships with local watershed groups in improving and creating fish habitat. Such habitat enhancement and creation projects are measured, assigned a HADD Credit amount and the results "banked." This bank is then available for "withdrawals" against Department projects that result in HADD. The Department continues to work with Fisheries and Oceans on this initiative.

Joint Committees

In 2009, two committees were formed to further improve communication and cooperation between staff with our Department and local/regional Fisheries and Oceans Canada, as well as Provincial Department of Environment, Labour and Justice. A management committee and a technical committee, both comprised of members of these agencies, meet on an ongoing basis. The Committees continue to meet to address ongoing cooperation and communication toward successful working relationship with overlapping roles of regulation and compliance.

Training Delivered

In 2011/2012, EMS staff coordinated environmental management round-table discussion sessions with TIR Divisions, including Highway Maintenance and Confederation Trail. The topics of these sessions included TIR environmental policies and procedures, changes to the Environmental Protection Act, as well as the installation of proper environmental controls and activities such as in-stream culvert work, ditching, etc. EMS staff also made presentations to HMD and Confederation Trail staff at Spring Orientation sessions.

Policy and Program Development

The EMS develops and/or administers various Departmental policies and programs to assist in providing structured implementation of Departmental objectives and activities. The policies ensure that a consistent and clear approach to specified activities is understood and followed by the Department, as well as external agencies or persons such as engineering consultants, contractors or municipalities performing these same activities within the Provincial ROW.

Programs

- **Adopt-A-Highway Program**
- **Agricultural Siltation into ROW**
- **Environment Fund Program**
- **Fish Passage Restoration Program**
- **Environmental Audit Program**
- **Joint Beaver Management Program With DELJ**
- **Highway-related Beaver Management**

Policies

- **Seeding Policy**
- **Fuel Spill Response Procedures**
- **Water Well Replacement Policy**
- **Wetland Conservation Policy**
- **Culvert Sizing Policy**
- **Approval-to-Proceed-Renewal/Modification/ Extension Policy**

Designated Scenic Heritage Roads

The EMS coordinated development of a Management Strategy for Designated Scenic Heritage Roads (DSHR). The strategy recognizes that the historical and aesthetic value of the DSHR are best protected through limited disturbance and change, and provides a practical guide for implementation of cost-effective protection methods to maintain the heritage of these unique roads and their surrounding sensitive environments including watercourses. Designation and administration responsibilities for scenic heritage roads are outlined in the *Roads Act*. The EMS ensures best management and minimal disturbance of the 12 DSHR through reviewing and approving works undertaken on these roads in consultation with a provincial wildlife biologist.

Agriculture-related Work

In effort to control the potential effects of agriculture-based projects on the Provincial ROW, the EMS established a protocol with the Provincial Agriculture Department that requires their identification of proposed projects through submission of Project Registration Applications to the EMS. The EMS then coordinates onsite project assessments with Agriculture representatives to identify and resolve any Department-related issues including methods to avoid ROW impacts, cost responsibility for any associated Department work, restoration requirements for effected ROW areas, etc.

Agricultural Encroachment on ROW

Each year, Provincial ROWs are significantly impacted by agricultural operations in a number of locations across the Province. These impacts include: excessive stormwater flow being directed into the ROW; eroded sediment depositing in ditches and culverts; liquid manure flowing into ditches and culverts; and, vegetable processing wash water being directed into ditches and culverts. EMS staff identify these encroachments, gather applicable information and forward a complaint to the Provincial Agriculture Department who, in turn, work with the land owner and TIR to rectify the problem.

Adopt-A-Highway Program

Building on the success of the Federated Women's Institute Annual Roadside Cleanup, this Program enables Islanders to expand their efforts to combat roadside litter. The EMS, with the assistance of the Provincial Environment Department, developed the Adopt-a-Highway Program and coordinates implementation of the Program for the Province. Businesses, community groups and organizations can adopt a minimum five kilometre section of Island roadway and agree to conduct a Fall and Spring cleanup each year.

Fish Passage Restoration Program

The EMS and HMD continue to work with local watershed groups from across the Province, the Atlantic Salmon Federation, and the Provincial Department of Environment, Labour and Justice to identify and repair fish passage barriers at highway culverts.

Environmentally-based Community/Public Partnering Projects

The EMS annually coordinates the Department's involvement in a variety of environment-related community/public partnering initiatives that enhance the environment or provide environmentally beneficial results for the general public. These requests for assistance typically involve work that can be grouped into four categories: sediment control; fish passage restoration; erosion control; and, community access. Department work may involve in-kind provision of materials or services by the EMS and Highway Maintenance Division. The EMS worked with 22 local community and watershed based groups in 2011/2012 to coordinate the completion of more than 50 watershed based improvement projects.

Beaver Management

The EMS coordinates a Beaver Management Program, consistent with the Department's Beaver Management Policy, developed to address the problem of highway culverts frequently being obstructed by beaver activity. During the period of May-November, three Beaver Management Workers (BMWs) are hired to pro-actively identify and address road-related beaver problems across the Province using the preferred management method of "by hand" restoration. This program is a cooperative cost shared program between the EMS and the Forests, Fish and Wildlife Section of DELJ. The cost of hiring the BMWs is small compared to the potential cost of responding to emergency events such as floods and washed out roadway culverts caused by beaver activity, as well as potential damage to surrounding property and aquatic ecosystem. The BMWs identified and managed beaver problems at 143 sites in 2011.

Committee Participation

The EMS represents the Department on a number of inter-governmental and external committees. The following is a list of some committees that the EMS has participated on:

- Stanley/Hope River Watershed Stewardship Committee
- Transportation Association of Canada (TAC) Environment Council
- Transportation Association of Canada (TAC) Road Salt Working Group
- Provincial Environmental Assessment Review Committee
- Information Technology Committee

- Litter Awareness Committee
- Natural Areas Protection Act Committee
- Provincial Government Climate Change Committee
- Provincial Land Use Coordinating Committee

Regulatory Approvals and Environmental Assessments

On behalf of the Department, the EMS acquires project approvals from external Federal and Provincial Regulators, and coordinates the completion of Federal assessments/screenings for larger capital projects. The common types of approvals acquired include Navigable Waters Protection Act (NWPA) Approvals, Harmful Alteration, Disruption or Destruction (HADD) of fish habitat authorizations, Environmental Screenings under the Canadian Environmental Assessment Act (CEAA), and Watercourse/Wetland Alteration Permits.

NWPA Approvals

Administered by Transport Canada, NWPA approvals are acquired primarily for the Department's bridge replacement projects, and are intended to ensure that the public's right of navigation is protected from works which might interfere with navigation. The NWPA approval process includes submission of an application with project design plans and a project-specific environmental assessment (CEAA Screening), public advertisement of the project, and stakeholder consultations. The EMS submitted NWPA applications, and coordinated associated requirements of the approval process, for the St. Peters, Point Pleasant, and Greek River Bridge Replacements.

CEAA Screenings

Projects that involve federal funding, or have a federal department designated as the lead regulating agency, often require submission of a Canadian Environmental Assessment Act Environmental Screening report for review and approval.

PROPERTIES SECTION

General Activities

The Properties Section is responsible for the provision of all real estate services on behalf of all government departments in regards to the ownership of Provincial properties. Examples of the types of real estate services that are commonly provided are as follows:

- Appraisals
- Acquisition
- Disposal
- Negotiations
- Marketing
- Leasing
- Building Demolition
- Expropriation
- Title Research
- Paralegal Services
- Consulting
- Property Management
- Public Tenders
- Public Relations

Real estate services are also provided to other government agencies such as the School Districts, Health Agencies, Energy Corporation, Island Waste Management Corporation, Liquor Control Commission, Museum and Heritage Foundation, Charlottetown Area Development Corporation, Holland College, Prince Edward Island Business Development Inc., Municipalities and other local Development Corporations formed to promote economic growth outside the larger municipal centres.

The Properties Section maintains a computer-based filing system (Land Information Management System - LIMS) capable of tracking property inventory, lease renewals, rental payments, properties acquired, sold and leased, production of reports pertaining to Provincial land inventory and recording of requests received regarding provincial lands.

Staff members participate on various government committees, including the Land Use Coordinating Committee, Provincial Land Review Subcommittee, Natural Areas Protection Act Technical Advisory Committee, Resource Land Acquisition Fund Committee and the Rail Land Review Committee.

As of March 31, 2012, there were approximately 2,045 essential properties (totalling 95,482 acres) and 101 surplus properties (totalling 517 acres) held in Provincial ownership and under the management of various government departments.

For the period April 1, 2011 to March 31, 2012, the Properties Section received 466 inquiries related to provincial property matters.

Property Leases - April 1, 2011 to March 31, 2012

For the period April 1, 2011 to March 31, 2012, there were 118 lease agreements on 100 Provincial properties (1,346.03 acres) generating revenue for this period of $39,607.00.

In addition, there were an additional 165 lease or licence agreements on 406 Provincial properties that are not revenue generating, i.e., leased to communities or non-profit organizations for a nominal sum. This number also represents licences to carry on activities on the Confederation Trail and within the road Right-Of-Way when approved by the appropriate authority.

Property Acquisitions (Not RLAF) - April 1, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
682492	Souris	0.630 acres	$21,500.00	Acquired property for proposed new Souris K-12 School.
713412	Malpeque	0.350 acres	$2,741.10	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
172148	Georgetown	0.240 acres	$9,885.73	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
101238	Souris	0.310 acres	$4,366.99	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
864520	Christopher Cross	0.940 acres	$4,496.55	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
476002	Puisville	0.057 acres	$4,249.67	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
1048990	Charlottetown	1.265 acres	$74,500.00	Property acquired for construction of new Provincial analytical laboratory and offices.
118315	Rollo Bay East	5.840 acres	$0.00	Former Rollo Bay School. Ownership transferred from the Eastern School District to Province.
319426	Summerside	0.107 acres	$6,995.04	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
756130	Tracadie Cross	0.970 acres	$115,000.00	Acquired land and building for Department of Community Services, Seniors & Labour.
193557	Lower Montague	0.530 acres	$0.00	[illegible]ty was conveyed by Deed Under Power of Sale from PEILA.
Total	**11 Properties**	**112.390 acres**	**$243,735.08**	

Resource Land Acquisition Fund Expenditures - April 1, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
267450	Egmont	0.800 acres	$33,000.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
525394	Cherry Hill	5.500 acres	$4,500.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
108043	Basin Head	0.000 acres	$20,000.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division. Property acquired in 2008. Payments made over four years. Final payment made FY 11/12.
113720	Rock Barra	54.630 acres	$8,442.79	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
1052018	Ten Mile House	0.770 acres	$1,000.00	Acquired for Department of Fisheries, Acquaculture and Rural Development.
242594	Caledonia	60.000 acres	$66,000.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
113738	Rock Barra	55.470 acres	$8,557.21	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
271908	Murray Harbour	0.000 acres	$42,000.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division. First payment of two.
123315	Peakes	81.000 acres	$100,000.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
1032994	Pleasant View	60.000 acres	$36,000.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division. Second payment of two.
804245	Riverdale	0.000 acres	$20,500.00	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division. Property acquired over two years. Final payment.
Total	**14 Properties**	**519.170 acres**	**$418,500.00**	

Easements Granted - April 1, 2011 To March 31, 2012

Parcel	Location	Acreage	Amount	Notes
928226	Woodstock	1.250 acres	$0.00	Easement granted to Maritime Electric required for service to Heritage Lane Mini Barn Ltd.
390765	Sherwood	0.070 acres	$500.00 + $300.00 admin fee	Easement granted to City of Charlottetown for a waterline to benefit Plazacorp. Retail Properties.
Total	**2 Properties**	**1.320 acres**	**$800.00**	

Easements Acquired - April 1, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
859009	Stratford	0.710 acres	$0.00	2 separate drainage easements acquired as part of sub-division streets.
897793	Bloomfield	1.380 acres	$0.00	3 separate drainage easements to provide drainage for Griffin Road (Bloomfield Industrial Park).
16659	Huntley	0.270 acres	$500.00	Acquired easement for site distance.
399477	Stratford	0.110 acres	$0.00	Acquired easement for storm water drainage.
140160	Marshfield	0.140 acres	$0.00	Acquired easement for storm water management.
284737	Hunter River	0.110 acres	$0.00	Acquired easement for drainage requirements for Rte. 2. Construction done in 2009.
9811	Huntley	0.700 acres	$500.00	Acquired easement to provide drainage from Rte. 152.
138628	Covehead	0.490 acres	$0.00	Acquired easement for drainage for Rte. 6.
906198	West Point	0.800 acres	$0.00	2 separate easements acquired for storm water management from Rte. 14.
720029	Marshfield	0.500 acres	$0.00	2 separate easements acquired to provide storm water management from Rte. 2.
868794	Abrams Village	0.010 acres	$0.00	Acquired easement to provide drainage from the John Paul Road.
270629	Murray Harbour	0.008 acres	$0.00	Acquired easement to provide drainage from Riverside Dr.
524926	Cornwall	0.171 acres	$0.00	4 separate easements acquired for storm water drainage.
947457	Pisquid East	0.110 acres	$0.00	Easement acquired for site distance.

994699	West St. Peters	0.600 acres	$0.00	Easement acquired for public road purposes.
329342	Stratford	0.440 acres	$0.00	6 separate easements acquired for storm water drainage.
1040427	Kinkora	0.080 acres	$0.00	Easement acquired for storm water management and sewer service for new subdivision.
83014	Indian River	0.660 acres	$0.00	Easement acquired to provide storm water management for Rte. 104.
494971	Kensington	1.770 acres	$0.00	2 separate easements acquired to provide storm water management.
398586	Stratford	2.970 acres	$0.00	3 separate easements acquired to provide storm water management.
190629	Stratford	0.120 acres	$0.00	Easement acquired for temporary cul-de-sac at Starling Cres.
246876	Cornwall	0.120 acres	$0.00	Acquired temporary easement at end of Muttart Dr. for turn around.
945477	Cornwall	0.020 acres	$0.00	Acquired temporary easement for a turning circle for Livingston Cres.
Total	**23 properties**	**12.289 acres**	**$1000.00**	

Disposals for Highways - April 1, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
994699	West St. Peters	0.600 acres	$0.00	Closed and conveyed portion of old road to allow adjacent property owner to place single family dwelling on their property, parcel 994699.
947457	Pisquid East	0.260 acres	$0.00	Portions of old road closed and conveyed to adjacent property owners. No economic benefit to owner. No charge.
812537	North Lake	0.080 acres	$2,800.00	Administration and control of portion of old road closed and transferred to Gov't of Canada.
111336	Lakeville	0.170 acres	$4,100.00	Administration and control of portion of old road closed and transferred to Gov't of Canada.

478826	Searletown	0.080 acres	$0.00	Portion of old road closed and conveyed to adjacent property owners. No economic benefit to owner. No charge.
213868	Searletown	0.200 acres	$0.00	Portion of old road closed and conveyed to adjacent property owners. No economic benefit to owner. No charge.
213876	Searletown	1.220acres	$0.00	Portion of old road closed and conveyed to adjacent property owners. No economic benefit to owner. No charge.
803973	Searletown	0.310 acres	$0.00	Portion of old road closed and conveyed to adjacent property owners. No economic benefit to owner. No charge.
231084	Mayfield	0.360 acres	$500.00	Portion of old road closed and conveyed to adjacent property owners.
165571	Brudenell	0.240 acres	$0.00	Portion of old road closed and conveyed to adjacent property owners because of previous agreement in 1999.
Total	**10 Disposals**	**3.520 acres**	**$ 7400.00**	

Acquisitions for Highways - April 01, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
881516	Souris	0.112 acres	$0.00	Acquired for road widening of Rte. 2.
47126	Woodstock	0.030 acres	$9,975.00	Acquired for construction of the O'Leary Round-A-Bout.
47167	Woodstock	0.070 acres	$7,500.00	Acquired for construction of O'Leary Round-A-Bout.
770669	Montague	0.090 acres	$10,000.00	Acquired for Montague Round-A-Bout.
211508	Borden-Carleton	1.250 acres +house +barns	$65,000.00	Acquired for site distance.
245233	Cornwall	0.087 acres	$9,400.00	Acquired for widening of the TCH at this location.
453654	Cornwall	0.210 acres	$0.00	Acquired to improve safety and access to the Dutch Inn.
566281	Cornwall	0.017 acres	$1,900.00	Expropriated property for Rte. 1 widening.
216440	Crapaud	0.750 acres + house	$65,000.00	Acquired for future road re-alignment.

194183	Lower Montague	0.070 acres	$5,700.00	Acquired for construction of Round-A-Bout.
178491	Bristol	0.220 acres +house	$70,000.00	Acquired for widening of Rte. 2 at this location.
178517	Bristol	0.940 acres +house	$108,000.00	Acquired for realignment of Rte. 2.
178483	Bristol	0.220 acres +house	$82,500.00	Acquired for road widening Rte. 2.
10819	Pleasant View	0.630 acres	$30,000.00	Acquired for shore access.
150524	Dingwells Mills	0.400 acres	$750.00	Acquired for future road improvements and protection of site distance.
568972	Victoria	0.340 acres + house	$139,900.00	Acquired for future improvements to TCH.
278846	Ch'town	0.012 acres	$4,600.00	Acquired for construction of Round - A-Bout Riverside Dr.
398644	Stratford	0.276 acres + house	$190,000.00	Acquired for future improvements to the TCH, Rte. 1 at this location.
398651	Stratford	0.690 acres +house	$185,000.00	Acquired for future improvements to Rte. 1, the TCH at this location.
403550	Montague	0.030 acres	$3,300.00	Acquired for Round-A-Bout construction.
208819	Tryon	1.500 acres +house	$135,000.00	Acquired for future re-alignment of Rte. 1, the TCH at this location.
440180	Ch'town	1.160 acres	$0.00	Acquired for Riverside Dr. Round-A-Bout.
219154	Riverdale	59.500 acres + house	$345,000.00	Acquired to prevent proposed 5 lot sub-division development with access to local Class 3 road that provided access to the TCH with poor site distance at the intersection of the local road and the TCH.
227199	New Haven	69.290 acres + buildings	$620,000.00	Acquired for Rte. 1 re-alignment from New Haven - Bonshaw.
600767	New haven	21.150 acres	$40,000.00	Acquired for Rte. 1 re-alignment from New Haven - Bonshaw.
586362	Ch'town	0.043 acres	$14,000.00	Acquired for Riverside Dr. Round-A-Bout.
445080	New Haven	0.810 acres	$40,000.00	Acquired for Rte. 1 re-alignment from New Haven - Bonshaw.
227546	New Haven	0.580 acres + house	$83,500.00	Acquired for Rte. 1 re-alignment from New Haven - Bonshaw.

524926	Cornwall	0.550 acres	$0.00	Acquired for new subdivision street.
882084	Stratford	2.440 acres	$0.00	Acquired for new subdivision street.
897124	Stratford	1.740 acres	$0.00	Acquired for new subdivision street.
329342	Stratford	2.570 acres	$0.00	Acquired for new subdivision street.
1040427	Kinkora	0.920 acres	$0.00	Acquired for new subdivision street.
398040	Mermaid	4.200 acres	$0.00	Acquired for new subdivision street.
398586	Stratford	5.420 acres	$0.00	Acquired for new subdivision street.
190629	Stratford	1.830 acres	$0.00	Acquired for new subdivision street.
945477	Cornwall	0.310 acres	$0.00	Acquired for new subdivision street.
246876	Cornwall	89.000 acres	$0.00	Acquired for new subdivision street.
Total	**38 Properties**	**269.457 acres**	**$2,266,025.00**	

Property Disposals (NOT RLAF) - April 1, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
656934	Bay Fortune	0.150 acres	$0.00	Transfer of admin. and control to Her Majesty for land to be consolidated with Harbour.
891259	Sturgeon	0.490 acres	$2,800.00	Transfer admin. and control executed and forwarded to PWGSC for waterlot.
343848	Charlottetown	0.644 acres	$0.00	Transferred to Holland College to be consolidated with other holdings for the new Holland College Complex Area.
343855	Charlottetown	0.489 acres	$0.00	Transferred to Holland College to be consolidated with other holdings for the new Holland College Complex Area.
386532	West Royalty	44.920 acres	$0.00	Conveyed to Upton Farm Trust Inc. to be maintained as green space.
1032317	Charlottetown	93.550 acres	$0.00	Conveyed to Upton Farm Trust Inc. to be maintained as green space.
817155	Lake Verde	0.600acres	$500.00	Tax sale property sold to adjacent land owner.
156844	Strathcona	0.170 acres	$1,000.00	Tax sale property sold to adjacent land owner.
165266	Albion Cross	0.272 acres	$400.00	Tax sale property sold to adjacent land owner.
326918	Melville	0.033 acres	$300.00 (admin. fee)	Tax sale property sold to adjacent land owner.
262204	Wellington Station	0.570 acres	$6,800.00	Sold to adjacent land owners. Appended with their parcel to allow for expansion of commercial business operated on property.

868315	St. Felix	2.000 acres	$3,000.00	Tax sale property sold to adjacent land owner.
290569	Pleasant Valley	0.240 acres	$275.00	Tax sale property sold to adjacent land owner.
197749	Montague	0.150 acres	$0.00	Transferred to Eastern School District for use with the Intermediate School. Properties were acquired for proposed new Montague High School.
197988	Montague	0.230 acres	$0.00	Transferred to Eastern School District for use with the Intermediate School. Properties were acquired for proposed new Montague High School.
197996	Montague	0.230 acres	$0.00	Transferred to Eastern School District for use with the Intermediate School. Properties were acquired for proposed new Montague High School.
Total	**16 Disposals**	**144.738 acres**	**$15,075.00**	

Property Disposals RLAF - April 1, 2011 to March 31, 2012

Parcel	Location	Acreage	Amount	Notes
219212	Riverdale	0.360 acres	$2,500.00	Property sold to adjacent land owner. Appended to parcel 905190.
Total	**1 Disposals**	**0.360 acres**	**$2,500.00**	

THE OFFICE OF THE PROVINCIAL CHIEF SURVEYOR

This Office provides land surveying services and counsel on legal and technical aspects related to land surveying and maintains a close working relationship with the Properties, Capital Projects, Maintenance, Building Design and Construction Sections of the Department. Expertise and services are also provided to other departments including Environment, Energy and Forestry, Tourism and Culture, Justice and Public Safety; to government agencies and boards; community groups, as well as the greater legal, engineering and land surveying community throughout the province. The following are essential functions of the Section:

- provide timely, comprehensive and efficient land and engineering surveying services on public roads and provincial lands;
- provide counsel and regulate surveys completed under the, *Natural Gas Act* and *Mineral Resources Act*;
- collect evidence and provide counsel on the tenure (public or private) of particular roads, rights-of-way and public easements in the Province;
- maintain and manage the provincial control survey networks and provide technical assistance to various GNSS/GIS users on the provincial datum and mapping plane;
- maintain a library of documentary evidence and case law related to land tenure and surveying in Prince Edward Island and other provinces;
- Coordinate survey training sessions and develop standards for engineering and legal surveying crews within the Department, as well as coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards, and;
- provide a mechanism for the equitable resolution of boundary uncertainties.

Staff are specifically trained in land surveying and particularly in the collection and assessment of boundary evidence. Staff currently consists of two Professional Land Surveyors/Professional Engineers, two geomatics technicians, a research technician, a research/administrative support clerk, and two survey crews.

In the past year, approximately 120 files have been created in our section, consisting of road status requests, right of way and easement acquisitions, and, legal and topographic surveys.

Public Roads
In the past year the Office has opened approximately 35 files relating to road width and status inquires. Disputed public roads continue to consume a major portion of the sections resources. Often at issue is the existence of a public road leading to the shore that is not visible on the ground, nor shown on the provincial highway atlas..

Resources are now more dedicated towards gathering the appropriate information required to defend the tenure of the non essential roads than the roads that are either classified and/or accepted into our network of maintained public roads. The section will be evaluating opportunities to evaluate

Through ongoing research associated with individual requests regarding public roads, the office has become more knowledgeable in the historic land tenure process associated with the development of the provinces road infrastructure.

Legal Surveys

In the past year the Office has undertaken a number of legal surveys. The majority of the legal surveys have been prepare either for road acquisitions such as lands for new Roundabouts, highway widening, and intersection re-alignment or for highway drainage easements through private lands.

Additional surveys have been undertaken by the office to facilitate the design and expansion of elementary schools, provincial manors, and general government facilities. These surveys generally include both the legal component of a boundary survey, together with the associated engineering surveys required for site design.

Surveys for the acquisition of lands for the realignment was a major project for the year, and will continue into the next fiscal year. The realignment of the Trans-Canada-Highway through New Haven, Churchill Bonshaw, required surveying of properties along an alignment of 6 kilometres.

Provincial Survey Reference System

The reference network used by engineers, private land surveyors and government surveyors, has been in existence since the late 1960's. In the past twenty years minimal maintenance and replacement of the reference posts had been undertaken. During this fiscal year, the department has acquired all hardware required for the installation of a new GNSS based active control network. This network will become operational within the next fiscal year.

CAPITAL PROJECTS DIVISION

CHIEF ENGINEER'S REPORT

The Capital Projects Division is responsible for the planning, design, construction and reconstruction of the Province's highways and bridges. This includes the associated tasks of data collection, surveying, mapping, materials testing, traffic engineering and bridge maintenance. The responsibilities for planning, surveying, construction, and reconstruction, come under the direction of three Regional Engineers. The main offices for the Eastern, Central, and Western Regions are in Georgetown, Charlottetown and Slemon Park respectively. The Western Region also has a field office in Alma.

Traffic operations and sub-division development is directed by our Traffic Operations Engineer located in the Charlottetown office. The three regions are managed by two Traffic Operations Managers, one working out of both Georgetown and Charlottetown, and one working out of Slemon Park who is also responsible for the Provincial Sign Shop in Tignish.

The design of highways and bridges is managed from the Charlottetown office, as is the project management of bridge construction and maintenance. The structural highway design and testing of construction materials is managed from the Highway Testing Laboratory in Mt. Stewart, with additional testing facilities in our Slemon Park location.

The Charlottetown office is also the work place for the Occupational Health & Safety Manager, staff in Geographic Information System for Transportation, and the Chief Engineer's office.

Planning within Capital Projects emphasized the need for completing work early in the fall under favorable weather conditions, tendering the work in larger projects to improve quality control, and the reduction of overall construction costs. The emphasis to improve the safety and widening of Route 2 was completed this construction season. The Department will now focus on improvements to the Trans Canada Highway and the continuation of dedicating more resources to bridge replacement. The total capital highway and bridge expenditures for FY2011/12 was approximately **$31,068,255.01**

The Department's Bridge Maintenance expenditures are covered under the ordinary budget accounts.

The New Deals for Cities and Communities Projects included: Richmond Phase II, Ellerslie intersection improvements, Keppoch Road storm sewer, Rte 2 Sherbrooke, Rte 25 Covehead Road, Route 24 Murray River and Cardigan Bridge replacement.

Once again the Capital Budget for Highways and Bridges was approved in the Fall session of the Legislature. This enabled our department to plan and tender contracts earlier for the coming year's road and bridge programs. This was a great benefit to the Capital Projects Division and also the PEI Road Builders and Heavy Construction Association as contractors can plan in advance for the upcoming construction season.

Highways and Bridges

Capital highway projects are administered by the three Regional Engineers. They review the deficiencies of the highway system and plan for the upcoming years using the Department's 5-Year Road Program, considering safety, traffic volumes, surface conditions, truck traffic and other departmental and public concerns relative to each project. The selected projects are surveyed and designed with input from environment, traffic, properties, surveys, materials lab and municipal personnel, as required. The regional staff prepare cost estimates and tenders, review tenders, award contracts, administer the contract, evaluate the work, record contract quantities, prepare payments, identify deficiencies to be corrected, and approve the final product. The highway projects include those cost-shared with Infrastructure Canada through the New Deals for Cities and Communities funding.

Capital bridge projects are administered by the staff of the Bridge Section with assistance from the Regional Engineers as required. They review the deficiencies of the bridges and plan for the upcoming years considering safety, traffic volumes, structural condition, truck traffic and other departmental and public concerns relative to each project. Design and contract administration are similar to highway projects.

The bridge inspection initiative continues to have consultant engineers inspect all bridges on PEI every two years.

Weigh Scale Contract Quantities

The Capital Project staff along with assistance from our Highway Safety Division is responsible for ensuring current and accurate totals of all materials which are paid by weight or volumes on all highway construction projects. Training and quality control supervision is provided to all district checkers, data collectors, weighers and checkers.

Scale site activities are reviewed in conjunction with Measurement Canada and Highway Safety Division to ensure that there is compliance to the *Federal Weights and Measures Act*, the *Roads Act Vehicle Weight Regulations*, and the *General Provisions and Contract Specifications for Highway Construction*.

The Section provides data entry of material tickets for progress payments on all highway construction and bridge projects. The material tickets information is entered into the Construction Analysis and Tracking

System (CATS), designed to assist the capital and maintenance staff in managing their highway projects. The same activities are followed to maintain the records of the winter sand contracts for the Highway Maintenance Division.

Subdivision Development

Subdivisions continue to be built by private developers who are responsible for the surveying, construction, testing and deeding of the new streets to the Province. Department staff work with the developers and provincial or municipal planners to prepare a design with an acceptable roadway, stormwater management plan, and utility services. An agreement is then signed between the three parties identifying responsibilities, costs, and scheduling. The developer deeds the right-of-way to the Province at such time as the conditions of the agreement are satisfied.

SCHEDULE OF TENDERS - HIGHWAYS AND BRIDGES

NEW DEALS FOR CITIES AND COMMUNITIES FUNDED PROJECTS

Route 25 York-Covehead - Tender Closed: March 31, 2011

Central Roadways	$446,719.35
Chapman Brothers	**$443,952.60**
Island Construction Limited	$454,763.45

Awarded to Chapman Brothers

Route 2 Ellerslie - Tender Closed: May 17, 2011

Central Roadways	**$469,145.25**
Curran & Briggs	$498,810.90
HI Construction	$524,921.25

Awarded to Central Roadways

Route 24 Murray River - Tender Closed: July 7, 2011

Chapman Brothers Construction	$602,727.30
G&P Trucking	$661,116.75
Island Coastal Services	$646,981.44
Kings County Construction	**$596,414.20**

Awarded to Kings County Construction

Route 2 Western Road, Richmond - Tender Closed: February 17, 2011

Curran & Briggs	**$524,960.80**

Awarded to Curran & Briggs

Cardigan Bridge - Tender Closed: July 7, 2011

Central Prince Contracting	$2,411,317.51
G&P Trucking	$2,523,464.37
Highfield Construction	**$2,066,697.15**

Awarded to Highfield Construction

Route 2 - Dekker Road - Tender closed: September 28, 2011

Curran & Briggs	**276978**
Central Roadways	332710.88

Awarded to Curran & Briggs

SCHEDULE OF TENDERS - HIGHWAYS AND BRIDGES

Route 2 Morell/Bristol - Tender Closed: February 17, 2011

Birt & MacKay	$2,051,804.22
Chapman Brothers Construction	**$1,889,089.65**
Island Coastal Services	$2,059,770.50
Kings County Construction	$1,941,909.74
G&P Trucking	$2,160,375.53

Awarded to Chapman Brothers

Route 1 Cherry Valley - Tender Closed: February 17, 2011

Chapman Brothers Construction	$495,710.25
Island Construction Limited	**$477,815.10**

Awarded to Island Construction Limited

Route 1 Millview - Tender Closed: February 17, 2011

Chapman Brothers Construction	$325,187.47
Island Construction Limited	**$320,018.47**

Awarded to Island Construction

Route 2 Springvale - Tender Closed: February 17, 2011

Chapman Brothers Construction	**$468,605.03**
Island Construction Limited	$472,899.00

Awarded to Chapman Brothers Construction

Route 2 Bloomfield - Tender Closed: February 17, 2011

Curran & Briggs	$559,960.80
HI Construction	**$542,242.57**

Awarded to HI Construction

Route 1 North Tryon - Tender Closed: February 17, 2011

Chapman Brothers	$592,289.50
Curran & Briggs	**$577,405.50**

Awarded to Curran & Briggs

Ross' Corner Bridge

Highfield Construction	**$4,862,308.97**
Noye & Noye Construction	$5,002,235.39
HR Civil	$4,976,670.98

Awarded to Highfield Construction

TCH Hampton - Tender Closed: March 31, 2011

Central Roadways	$821,382.45
Chapman Brothers Construction	**$812,840.70**
Curran & Briggs	$929,023.20
Island Construction Limited	$846,314.20

Awarded to Chapman Brothers Construction

Bedeque - Tender Closed: March 31, 2011

Central Roadways	**$653,299.50**
Chapman Brothers Construction	$654,197.25
Curran & Briggs	$684,501.30
Island Construction Limited	$710,683.58

Awarded to Central Roadways

St. Louis - Tender Closed: March 30, 2011

Central Roadways	$263,280.15
Curran & Briggs	$257,225.33
HI Construction	**$222,963.30**
Stewart Enterprises	$309,162.81

Awarded to HI Construction

Greek River Bridge - Tender Closed: May 12, 2011

Birt & MacKay	$1,653,417.51
Central Prince Contracting	$953,753.12
HR Civil	$954,948.75
Maritime Dredging	$1,284,296.99
Noye & Noye	**$893,984.21**

Awarded to Noye & Noye

Route 225 Springton/Stanchel - Tender Closed: May 17, 2011

Central Roadways	**$304,098.48**
Chapman Brothers Construction	$332,574.48
Curran & Briggs	$362,798.73
Island Construction Limited	$327,476.94

Awarded to Central Roadways

Route 2 Dingwells Mills - Tender Closed: May 17, 2011

Island Construction Limited	**$821,983.47**
Chapman Brothers Construction	$872,699.10
Central Roadways	$870,531.90

Awarded to Island Construction Limited

Irving Avenue/Carol Drive - Tender Closed: May 31, 2011

Central Roadways	**$157,091.55**
Chapman Brothers	$174,076.35
Birt & MacKay	$175,495.69
Island Coastal Services	$183,576.23

Island Construction Limited	$183,384.44
Currran & Briggs	$207,192.30

Awarded to Central Roadways

Montague Main Street Intersections - Tender Closed: June 8, 2011

Central Roadways	**$77,185.50**
Chapman Brothers Construction	$83,165.25
Island Construction Limited	$101,993.12

Awarded to Central Roadways

Route 2 New Annan - Tender Closed: July 17, 2011

Central Roadways	$198,922.50
Chapman Brothers Construction	$198,318.78
Curran & Briggs	**$198,019.50**

Awarded to Curran & Briggs

Cardigan Bridge - Tender Closed: July 7, 2011

Central Prince Contracting	$2,411,317.51
G&P Trucking	$2,523,464.37
Highfield Construction	**$2,066,697.15**

Awarded to Highfield Construction

Route 6 Oyster Bed - Tender Closed: August 25, 2011

Central Roadways	$146,430.90
Curran & Briggs	$176,704.50
Duffy Construction	$175,988.40
G&P Trucking	**$141,679.65**
Kings County Construction	$177,206.40

Awarded to G&P Trucking

Route 242 Cymbria - Tender Closed: August 25, 2011

Central Roadways	**$172,007.22**
Curran & Briggs	$227,239.32
Duffy Construction	$226,575.72
G&P Trucking	$225,872.22

Island Coastal Services	$216,909.77

Awarded to Central Roadways

Route 20 - Springbrook - Tender Closed: August 25, 2011

Curran & Briggs	**$187,239.15**
Duffy Construction	$202,402.20
G&P Trucking	$228,526.20
Island Coastal Services	$194,619.23

Awarded to Curran & Briggs

Riverside Drive - Tender Closed: August 25, 2011

Curran & Briggs	$176,704.50
Duffy Construction	$96,390.00
G&P Trucking	$107,604.00
Island Coastal Services	$114,113.89
Kings County Construction	**$89,946.15**

Awarded to Kings County Construction

Red Stone Drive, Scotchfort - Tender Closed: August 25, 2011

Central Roadways	**$88,015.20**
Island Coastal Services	$109,702.26
Island Construction Limited	$95,021.93

Awarded to Central Roadways

Eastern Region - Highways & Bridges

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To be Sealed	New Pavement
Bristol, Route 2	0.97	0.97	0.97	0.00	0.00	0.97	0.97	0.97	0.00	0.00
Dingwells Mills, Route 2	0.30	0.30	0.30	0.00	0.00	0.30	0.30	0.30	0.00	0.00
Montague Main Street Intersections, Route 4	0.30			0.00	0.00	0.10	0.30		0.00	0.00
Murray Lane, Murray Harbour	0.25	0.25	0.25	0.00	0.00	0.25	0.25	0.25	0.00	0.00
Murray River, Route 24	0.30	0.30	0.30	0.00	0.00	0.30	0.30	0.30	0.00	0.00
Totals	**2.12**	**1.82**	**1.82**	**0.00**	**0.00**	**1.92**	**2.12**	**1.82**	**0.00**	**0.00**

Central Region - Highways & Bridges

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To be Sealed	New Pavement
Rte 2 - Springvale	1.25	0.00	0.00	0.00	0.00	1.25	1.25	0.00	0.00	0.00
Rte 3 - Millview	1.50	0.00	0.00	0.00	0.00	1.50	1.50	0.00	0.00	0.00
Rte 1 - TCH Cherry Valley	1.80	0.00	0.00	0.00	0.00	1.80	1.80	0.00	0.00	0.00
Irving Avenue - Stratford	0.16	0.16	0.16	0.00	0.00	0.16	0.16	0.16	0.00	0.16
Rte 25 - Covehead (widening)	3.15	0.00	0.00	0.00	0.00	3.15	3.15	3.15	0.00	0.00
Rte 1 - TCH Hampton	3.03	0.00	0.00	0.00	0.00	3.03	3.03	0.00	0.00	0.00
Rte 225 - Springton Stanchel	3.11	0.00	0.00	0.00	0.00	*2.11*	3.11	0.00	0.00	0.06
Red Stone Drive Kitpu St - Scotchfort	0.16	0.16	0.16	0.00	0.00	0.16	0.16	0.16	0.00	0.16
Rte 9 - Colville Road	0.83	0.00	0.00	0.00	0.00	0.83	0.83	0.00	0.00	0.00
Rte 13 - Rennies Road	2.20	0.00	0.00	0.00	0.00	2.20	0.00	0.00	2.20	3.20
Rte 6 - Rusticoville	2.40	0.00	0.00	0.00	0.00	2.40	0.00	0.00	2.40	0.00
Rte 1 - Churchill	1.70	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00
Totals	**21.29**	**0.32**	**0.32**	**0.00**	**0.00**	**18.59**	**16.69**	**3.47**	**4.60**	**3.58**

	Kms	Shoreline Rip Rap
Cymbria - Shoreline Protection	0.45	0.45
Oyster Bed - Shoreline Protection	0.30	0.30
Riverside Drive - Shoreline Protection	0.20	0.20
Springbrook - Shoreline Protection	0.16	0.16
Totals	**1.11**	**1.11**

Western Region - Highways & Bridges

	Km's	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To be Sealed	New Pavement
Borden Weigh in Motion Rte 1	0.75	0.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00
Industrial Drive Borden	0.30	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
Miminigash	0.70	0.00	0.70	0.00	0.00	0.70	0.00	0.00	0.00	0.00
New Annan Rte 2	1.90	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
North Tryon Rte 1	2.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00	0.00	0.00
Park Ave. O'Leary	0.18	0.18	0.18	0.00	0.00	0.18	0.18	0.18	0.00	0.00
Richmond Rte 2	0.70	0.00	0.00	0.00	0.70	0.70	0.70	0.00	0.00	0.00
Albany McCains Rte 1	0.60	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0.00
North Bedeque Rte 1A	2.30	0.00	0.00	0.00	2.30	0.00	2.30	0.00	0.00	0.00
St. Eleanors Dekker Rd Rte 2	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00
Bloomfield Rte 2	1.90	0.00	0.00	0.00	1.90	0.00	1.90	0.00	0.00	0.00
St Louis Ret 152	0.90	0.90	0.90	0.00	0.00	0.90	0.90	0.90	0.00	0.00
Wellington	0.80	0.10	0.10	0.00	0.00	0.10	0.80	0.10	0.00	0.00
Ellerslie Rte 2	1.03	1.03	1.03	0.00	1.03	1.03	1.06	1.03	0.00	0.00
TOTALS	**15.06**	**2.21**	**2.91**	**0.00**	**10.28**	**3.61**	**14.39**	**2.21**	**0.00**	**0.00**

Provincial Subdivisions

Subdivision Name Location	SD #	Street Names	Length (km)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
PRINCE COUNTY									
Abrams Village	703	Rue Wendell Gallant	0.091	0.091	0.091	0.091	0.091	0	0.091
Maple Plains - Kinkora	817	Duffy Court	0.206	0.206	0.206	0.206	0.206	0	0.206
QUEENS COUNTY									
River Meadows - Mermaid	764	Parkside Terrace Greenfield Lane	0.879	0.879	0.879	0.879	0.879	0	0.879
Ducks Landing - Stratford	821	Ducks Landing (ext) Heron Drive (ext) Squire Lane	0.932	0.932	0.932	0.932		0.932	0.932
Mason Subdivision - Stratford	798	Starling Crescent (ext) McCarron Way	0.378	0.378	0.378	0.378		0.378	0.378
Crozier Subdivision - Cornwall	824	Keough Court	0.13	0.13	0.13	0.13	0.13		0.13

Stonington Subdivision - Stratford	733	Southampton Drive (ext) St George Crescent Warwick Place Tuckers Way	1.15	1.15	1.15	1.15	1.15		1.15
Connor Holdings Ltd - Stratford	827	Strathearn Lane	0.513	0.513	0.513	0.513		0.513	0.513
Muttart Subdivision - Cornwall	488	Muttart Drive	0.178	0.178	0.178	0.178	0.178		0.178
Hillside Meadows - Cornwall	763	Livingston Cres. (ext)	0.062	0.062	0.062	0.062	0.062		0.062
Zakem's Subdivision - Stratford	762	Rosebank Rd (ext) Fairfax Drive (ext) Avalon Court	0.501	0.501	0.501	0.501	0.501		0.501
Primrose Point - Cornwall	480	Primrose Point Rd						0.12	
Dunrovin - Victoria	823	Dunrovin St Wanda St Jude St	0.615				0.615		
Strawberry Hill - Stratford	783	Strawberry Lane Martindale Crescent	0.875				0.875		
		TOTALS	**6.51**	**5.02**	**5.02**	**5.02**	**4.687**	**1.943**	**5.02**

DESIGN SECTION

The Design Section provided detailed design, drawings or alignments for approximately 31 highway or bridge related projects during the fiscal year. All incoming electronic survey data provided by the Department's Survey Section were reduced and verified for accuracy prior to preparing further design work.

Preliminary or detailed design work was carried out for the following highway construction projects:

Route Number	Area of Design Work Done
Route 1 - Trans Canada Highway	- Gateway - TCH Realignment Bonshaw - Gateway - TCH Realignment New Haven - Gateway - TCH Realignment Options, Crapaud - Riverside Drive Widening - Mount Mellick Alignment - Cherry Valley Alignment and Superelevation Analysis - Albany - McCain's Plant, Alignment
Route 1A	- Ross's Corner/North Bedeque Realignment Options and Superelevation Analysis
Route 2	- Slemon Park Intersection (Roundabout) - Dingwell's Mills Reconstruction
Route 3	- Pooles Corner Intersection (Roundabout)
Route 4	- Murray River Widening and Storm Sewer
Route 6	- Stanley Bridge Alignment
Route 12	- Miscouche - Lady Slipper Sidewalk and Storm Sewer
Route 13	- Rennies Road Alignment

Route 24	- Murray River Widening and Storm Sewer
Route 152	- St. Louis Road Widening and Storm Sewer
Route 225	- Springton to Stanchel Alignment
Route 311	- Wellington, Mill Road Re-Alignment
Miscellaneous	- Scotchford Red Stone Drive - Oleary Strom Sewer and Widening - Miminegash Storm Sewer Design and Drainage Analysis - Murray Harbour - Murray Lane Storm Sewer - Sandpile Survey and Volume Calculations (Bridgetown, Milburn, Montague, Munn's Road, Peter's Road, Roseneath, Souris) - Borden, Dickie Road Parking Lot Design - Midgell/Marie Trail Shore Protection - Cymbria - Riverbank and Armourstone Plan - Route 25, York Road - Sight Distance Analysis - Route 220, Pleasant Grove - Sight Distance Analysis

BRIDGES

Bridge construction is shown in the Eastern, Central and Western Regions Highway and Bridge Projects tables located elsewhere in this report.

The following is a list of bridges and the work carried out by the department or on behalf of the department:

Bridge	Work Completed
Rte 1, Flat River Structure	Detailed Design for future replacement
Rte 1A, Ross' Corner Bridge	Structure Replacement
Rte 2, St. Peter's Bridge	Carry over (approach road work)
Rte 12, Kildare Bridge	Carry over (approach road work)
Rte 17, Greek River Bridge	Structure Replacement
Rte 17, Point Pleasant Bridge	Structure Replacement
Rte 20, Darnley Bridge	Carry over (approach road work)
Rte 124, Wellington Bridge	Detailed Design for future replacement
Rte 321, Cardigan Bridge	Structure Replacement
Rte 152, Montrose	Kildare River Dredge
Rte 13, New Glasgow Mills Bridge	Geotechnical investigation topo survey; Detailed design for future replacement
Rte 202, MacLures Dam Bridge	Geotechnical investigation topo survey
Rte 40269, St. Roch Bridge	Geotechnical investigation topo survey
Rte 141, Dunblane Bridge	Geotechnical investigation topo survey
Rte 40402, Poplar Grove Bridge	Geotechnical investigation topo survey

PRE-CAST STRUCTURE PURCHASE

The Department did not purchase any pre-cast structures during this fiscal year.

BRIDGE INSPECTIONS AND BRIDGE MANAGEMENT

The Department retained several consultants (as well as our own in-house staff) to conduct detailed bridge inspections on 109 bridge structures within the Province. The detailed inspection is based on the Ontario Structures Inspection Manual and all inspection teams were given an in-depth, full two (2) week inspection course in the fall of 2010. This information has been entered into our new Bridge Management Software. This software will allow us to better manage our assets in determining where the capital budget gets allocated and which bridge structures get priority.

BRIDGE MAINTENANCE

The Bridge Maintenance Section is responsible for the ongoing maintenance of approximately 1,300 structures across Prince Edward Island. There are several types of structures within the bridge inventory.

- Multi-Plated Steel Arches
- Timber Boxes
- Concrete Bridge/Timber Extensions
- Sectional Concrete Boxes
- Steel Sheet Piling Bridges
- Timber Pile Bridges
- Steel Pile Bridges
- Corrugated Steel Pipes
- Timber Crib Bridges
- Timber Catch Basins
- Timber Driveway Boxes
- Concrete Span Bridges
- Steel Span Bridges

Bridge Maintenance is comprised of several components.

- Inspection Crew - The crew operates on a 3 year schedule rotating between the 3 counties inspecting approximately 400-500 smaller structures each season.
- Bridge Yard Inventory Crew - Responsible for inventory control for the materials being sent to the various projects across the Island.
- Boom Truck - Responsible for transporting the construction materials to the maintenance crews and construction sites.
- Construction Crews - Six crews are responsible for the yearly maintenance work carried out by the Bridge Section.
- Administrative Staff
- Bridge Management - Duties include overseeing and organizing the schedules of the Bridge Maintenance Staff.

In addition to the goals of ensuring the integrity of structures, the Bridge Maintenance Section assists other agencies in achieving their objectives by improving fish passages by installing baffles within structures, protection of stream banks by the placement of gabion baskets and the creation of fish habitat by installing natural bottoms in some of the structures.

MATERIALS AND SOILS SECTION

Asphaltic Concrete

A total of nine asphalt mix plants were engaged in the production of asphaltic concrete. All of the mix was produced from drum mix plants. A total of 160382.5 tonnes of asphaltic concrete was produced in 2011. This included binder course, surface course, levelling course and maintenance mixes. A price adjusted, end result specification was applied to hot mix compaction on specified contracts.

Daily inspection was carried out at each of the nine plants to control the quality of the mix produced. A total of 678 asphalt mix samples were collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 236.6 tonnes of asphalt mix produced. A total of 312 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

Aggregates

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below.

Type of Test	No. of Tests
Sieve Analysis Aggregate	1259
Sieve Analysis Extractions	995
Specific Gravity	119
Soundness	30
Abrasion	21
Crush Count	10
Sand Equivalent	15
Flat & Elongated Particles	11
Uncompacted Voids Fine Agg Aggregate	7
Micro-Deval	29

In addition 30 Marshall and Superpave mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents. Also, there were 29 Stripping Mixes carried out to determine the extent of stripping from the various aggregate sources.

Asphalt Cement

Asphalt cement specification compliance testing was performed on Performance Grade 58-28 and Polymer Modified 64-28 asphalt cement. A total of 19 samples were taken.

Type of Test	No. of Tests
Specific Gravity	19
Penetration	15

Soils and Granular

Soils testing dealt mainly with granular base course, and select borrow. Tests carried out on these materials included sieve analysis, moisture-density relationship, specific gravity, and degree of compaction. A total of 748 samples were processed during the year.

Type of Test	No. of Tests
Sieve Analysis	398

Moisture-Density	22
Compaction Test	1276
Specific Gravity	10

Ice Control

Materials Lab staff provided inspection and testing services for the production of winter sand used by the Maintenance Division for ice control. The services included calibration of sand blenders, on site monitoring and production sampling from both the blenders and from stockpiles. A total of 612 samples were processed for gradation testing.

Subsurface Investigation

The continued use of the Lab's mobile drilling unit permitted comprehensive sub-grade investigations to be carried out. A total of 86 samples were obtained from 19 different projects. Gradation analysis and insitu moisture contents were determined for all samples. In addition, 10 atterberg limit tests, 9 hydrometer analysis and 31 organic indicator tests were performed.

Concrete

Testing and inspection services were provided for the following Projects:

Murray River Rte. 24
Rte. 1 CPH
Rte. 26 Stratford Road
Bristol Rte. 2
Charlottetown Government Garage
Charlottetown Bypass (St. Peters Rd. to Brackley Point Road)
Cardigan Bridge Structure Replacement
Darnley Bridge Structure Replacement
Ross' Corner Structure Replacement
St Peters Bridge Structure Replacement

A total of 324 concrete test cylinders were tested for compressive strength. In addition 402 slump tests and 402 air content tests were performed.

Benkelman Beam

The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

Profilograph

The High Speed Inertia Based Profilograph was employed to determine smoothness on a number of contracts where surface course hot mix had been applied. A price adjusted smoothness specification was implemented on selected contracts.

EASTERN REGION TRAFFIC OPERATIONS

Highway Signage

Installation and maintenance of highway signs were carried out by one full-time sign crew based out of Bridgetown, two full-time and one part time sign crews based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and maintenance of the Tourism Direction Signage, 911 signage, signing detours and some construction signage.

Tourism Directional Signs

Administration of Tourism Directional Signs was carried out by the Department of Tourism and Culture. Sign orders were passed on to the provincial sign shop in Tignish and after manufacture, were installed by the regional sign crews. There were 47 new signs manufactured for new clients and 5 signs that were damaged or faded were replaced. There were 69 signs removed for clients who are no longer in the program.

Highway Marking

Centerline marking was applied to approximately 3800 km of existing highway by the centerline striping machine based out of Charlottetown. In addition to this, 22 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 427 kilometres of arterial highway. Edge lines were painted on approximately 34 km of arterial highway and 95 kilometres of Collector Highways. Department crews also painted streets in the Cities of Charlottetown and Summerside, the Confederation Bridge and Parks Canada.

Intersections in the region were re-painted by the intersection marking crews, based out of Kings County and Queens County. Permanent markings were applied to some major intersection as part of capital upgrades. Raised pavement markings were installed on Route 2 in Fortune Bridge and Trans Canada Highway in Cherry Valley.

Highway Lighting

Maintenance of highway lighting was carried out by Hansen Electric in Queens County and by Foster Campbell Electric Ltd. in Kings County.

Area Lighting in the region was improved at Riverside Drive between Park Street and Southgate Lane by the installation of 150 watt High Pressure Sodium lights. As part of the construction project, area lighting was also added at the Roundabout in Montague. Low Pressure Soduim fixtures were also installed at the intersections of Routes 5 and 213 in Lake Verde, Routes 5 and 216 in Avondale, Routes 5 and 320 in Elliotvale and Routes 5 and 22 in Baldwin Road.

Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

Access Control

Applications for Entrance Way Permits on Arterial and Seasonal Highways were processed as well as stopping sight distance assessments for new dwellings and commercial operations. Fees were collected for the installation of new entrance ways for new dwellings and agricultural use.

WESTERN REGION TRAFFIC OPERATIONS

Highway Signage

Two full time sign crews erected and maintained signage throughout the region, which includes directional signage, community signs, scenic route signs, street name signs, warning signs, 911 road name signs and regulatory signs. In addition to this, crews continued to erect and maintain detours for highway construction sites. The sign crews continue to erect and maintain the Tourism Directional Sign standards.

Highway Marking

The centerline marking was applied by the TIR striping truck and the shoulder lines were applied by the smaller TIR striping truck. Centerline marking was applied to approximately 800 km of existing highway, and 26 km of asphalt resurfacing, and 11 km of new construction. Shoulder lines or edge lines were painted on approximately 200 km of highway. Intersection marking was applied by the intersection marking crew based in Summerside.

Highway Lighting

Highway lighting is maintained under two maintenance contracts: Prince County was maintained by Waite's Electric and the Albany Interchange/Borden Carleton scale house was maintained by Waite's Electric. Maintenance of traffic signals, flashing beacons and other lighting was carried out as required. Flashing beacons ,lighted barricades and message boards were used for detours and in advance for the major highway construction projects. TIR has started changing Low Sodium Lighting over to High Pressure Lighting which has reflected in power energy savings.

New High Pressure Fixtures (150 watt) as follows:
Ross's Corner Rte 1A and Rte 8 - 12 HP
TCH & Old Highway - 1 HP
Enmore Rd - Rte 2 & 11 - 3 HP
Arlington - Rte 12 & Rte 131
Borden Carlton Gateway - LED Lighting (power saving of 38 to 40 %)

Highway Access Control

Under the Roads Act, Highway Access Regulations, safe stopping sight distance assessments are completed for commercial operations , agriculture entrance-ways and new dwellings. The section is also responsible for collection of fees for entrance way installations.

PROVINCIAL SIGN SHOP

The sign shop continued to produce highway signage for the Island. The sign shop has two full time classified positions, Tracy Gallant and Leanna A'Hearn as shop supervisor. We have one full-time casual position, and a rotation of four other casual employees, as well as a rotation of two casual employees filling one position in our carpentry shop area.

The following is a breakdown of signage produced:

	Prince	Queens	Kings
Directional	174	69	112
Extruded signage	0	11	3
Overhead Extruded	4	0	0
Public Road Names (911)	107	46	93
Private Road Names (911)	17	27	12
Regulation and Warning	1712	129	59
Route Assemblies	415	175	37
Community	46	22	44
Street Signage	28	10	37
HISS	24	42	41
Construction	147	4	48
Totals	2674	535	486

Un-invoiced Signage within our Department

Signs sent to Charlottetown Stock	2353
Construction Signs sent to Charlottetown Stock	780
Build PEI Boards	41
Specialty Signs within Department	61
Public Works directory slats	91
Public Works door number tags	760
Vinyl numbers of guardrail numbering	1000
Vinyl lettering for traffic cones	1500
Public Works Name Plates	188
Public Works Other Signage	84
Sub-Total	6858

Invoiced Signage

Other Departments	385
Public Works	66
Parks Canada	254
Rails To Trails	94
Rails Delineators	1530
Municipalities	125
Construction	71
Other Companies	7
Sub-total	2532

Totals

Prince County	2674
Queens County	535
Kings County	486
Un-invoiced signs	6858
Invoiced signs	2532
Total of Signage Produced	13085

Traffic Operations Management Section

The Traffic Operations Management Section (formerly Pavement Management Section), within the Capital Projects Division, administers and manages the resources and services for the primary information systems used in the Department's transportation planning activities. This section is responsible annually for the operations of the ITMS -Integrated Traffic Monitoring System, the WIM - the Provincial Weigh-In-Motion Information System, and the Pavement Management System named PCMS - Pavement Condition Monitoring System.

There were some personnel changes to the Pavement Management Section staff during this fiscal year. A replacement was found for the section's Manager of Traffic Data Collection and Analysis early in the fiscal year but the position of Engineering Technician remained vacant for the year.

Pavement Condition Monitoring System - PCMS

Surface distress data, based on nine distress attributes was collected for the National Highway System and Community Connectors. Data from these nine distress attributes are used to calculate a Surface Distress Index (SDI) for each of the various highway sections within the 1305 km network managed by the Capital Projects Division. This SDI value, which provides a relative value of pavement condition is available to the Division as an aid in the Capital Construction Planning Process. Other data available for use in the Capital Programming includes traffic volume data, intersection counts and vehicular collision data.

Weigh In Motion System - WIM

The Weigh-In-Motion system collects vehicle weight, speed, and vehicle classification data. The section operates and maintains 5 monitoring sites across the province. These sites are located on arterial highways in Tryon, Hunter River/Springvale, Bedford, Middleton, and Richmond.

Tryon - This site is fully operational.
Hunter River - This site was reinstalled and is fully operational.
Bedford - This site is non-operational and in need of repairs or upgrading. The station is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.
Middleton - This site also is not functioning and is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.
Richmond - This site is fully operational.

The data obtained from these WIM sites can be used to determine ESAL's (equivalent single axle loads) per truck which in turn may be used for structural design of our highways. This database is also used to make estimates of vehicle type breakdown for the ITMS traffic system.

Integrated Traffic Monitoring System

This section continues to maintain and analyse data from 12 permanent count sites, approximately 120 temporary count sites and the 5 WIM sites. On an annual basis, additional equipment (Archer Counters with pneumatic road hoses) is set up at 30 to 40 sites (permanent or temporary sites noted above) for a period of 8 days annually to conduct vehicle classifications. The department also carries out a number of intersection turning movement surveys across the province on an annual basis during a 14-week period in the summer months. The data from all of these monitoring sites continues to feed the ITMS information system, and annually creates a master traffic profile for the almost 3500 km of provincially numbered highways.

A typical counter site consists of wire loops imbedded in the asphalt of each lane. The wires are brought to the shoulder of the road at a common location and eventually to an electrical post at the edge of the right-of-way where the connection to the counter is made. These sites are often replaced during road reconstruction. Loops were replaced at two sites this year, one in Ross's Corner and the other in Millview.

The Department rehired the same four labourers for the summer season to carry out the Intersection Turning Movement Count program. The individuals performed the duties well and have been recommended for rehire for the following year. Maintaining the same casual staff year to year is a benefit to this program as it helps to maintain consistency. These manual traffic surveys are carried out for 10 hours a day - 4 days a week. The field data is keyed to ITMS by office staff, stored and available for analysis as an intersection (or other traffic facility) design tool. The crew carried out 101 intersection counts during their 14-week term.

Provincial Highway Traffic Growth

The table below shows the Department's permanent traffic volumes monitoring sites and their respective 2010 and 2011 AADTs - Annual Average Daily Traffic figures, meaning two-way traffic for an average 24 hour day of the year. These AADT values are maintained by the calender year and not the fiscal year which ends on March 31st of the following year. Only these sites are used to calculate the provincial traffic growth rate, because only these sites monitor traffic constantly, all year long - except for machine failure. The provincial traffic growth rate for 2011 shows a decrease of 0.69 %, over the previous year (solely based on the permanent traffic monitoring installations). The 5 and 10 year annual growth rates, based on all permanent counter sites, are 0.57% and 0.34% respectively.

Comparison Annual Average Daily Traffic Table

	Annual Average Daily Traffic - AADT		Annual % Change
Monitoring Sites	**2010**	**2011**	
Tryon (001:02)	4,682	4,420	-5.6
North River (001:07)	22,220	22,278	0.3
Hillsborough Bridge (001:11)	31,491	31,800	1.0
Cherry Valley (001:12)	7,120	7,202	1.2
Marie (002:04)	2,636	2,558	-3.0
Pleasant Valley (002:13)	5,877	6,076	3.4
Richmond (002:17)	5,244	5,107	-2.6
Cavendish (006:09)	1,824	1,654	-9.3

Milton (007:01)	1,842	1,911	3.7
O'Leary (142:03)	1,537	1,502	-2.3
Confed. Bridge	4,309	4,044	-6.2
Albany (01A:01)	3,852	3,439	-10.7
Total	**92,634**	**91991**	
Annual average provincial traffic growth for 2011 (as a % growth over 2010)			**- 0.69%**

MAPPING AND GEOGRAPHIC INFORMATION SYSTEM – TRANSPORTATION (GIS-T)

In the fiscal year of 2011, the Mapping and GIS-T section was involved in a number of on-going and new initiatives. There continued to be two staff members assigned to work in this area plus a six month contract position.

As with past years, an updated release of the National Road Network for Prince Edward Island (PEINRN) was completed. This year's version of the centreline was extensively checked against aerial imagery taken in 2010. Every road, public and private, was reviewed to verify its alignment and surface type. This exercise had not been undertaken in ten years so numerous changes were detected mostly with private roads.

The project to create a GIS database to map the provincial *Access Regulations* continued again this year. More interviews were conducted with district supervisors to verify current road maintenance activities and the findings were documented. A GIS database is about ready to begin.

A project to replace the 2005 Provincial Road Atlas was completed this year. The 2012 Provincial Road Atlas is a 108 full colour book of maps with complete indexing. This reference document is used extensively within the department as a source of pertinent and visual roadway information. Having been designed and created with GIS software this atlas can be updated and reprinted much more efficiently than the older version.

The GIS-T section continued to perform mapping and data analysis services for the department and associated agencies. Some examples of typical mapping requests would be special event logistical planning maps; presentation and proposal maps; routing and detour maps; district and work zone maps; tender and construction location maps; property and site contour maps; hydrographic and watershed maps; infrastructure and facilities maps; and aerial imagery and base maps.

GPS inventory field work continues to be ongoing. This year locating guardrails was added in conjunction with an inspection project the department initiated.

HIGHWAY MAINTENANCE DIVISION

GENERAL

The Highway Maintenance Division provides a full range of operation and maintenance services on the entire provincial highway system. The Division is organized by function into the following sections and work units:

Provincial Headquarters

- Central management functions, program development, budgeting, inventory control, bulk purchasing and contract preparation.

- Technical services relating to standardized policy and procedure for work crews, as well as staff training and development.

Highway Maintenance - Eastern, Central and Western Region Operations

- Maintenance and superintendence of all provincially owned roads across the Province.

- Services include: pavement surface maintenance, roadside maintenance, drainage and storm water, unpaved roads, dust control, snow and ice control.
- Maintenance of bridges, signage, pavement marking and traffic control devices is provided by other divisions of the Department.

Mechanical Branch - Eastern, Central and Western Region Facilities

- Provide general management and maintenance of the Department, Heavy equipment and Corporate fleet. Provide maintenance of the Department of Education Bus fleet. Provide general management of Government owned Corporate fleet.
- Provision of skilled operators and Department operations.

Confederation Trail Maintenance

- Maintenance and superintendence of all maintenance carried out on **414** km of the former CN rail corridor (Confederation Trail).
- Services include: vegetation control, culvert replacements and repairs, ditching, surface maintenance, shoreline protection and grass cutting. Maintenance of bridges is provided through the Department's Bridge Maintenance section.

Polyethylene and Corrugated Steel Drainage Pipes

During the year, the Division tendered and purchased both polyethylene and corrugated steel drainage pipe which were installed in various locations throughout the Province. Polyethylene drainage pipe is most widely used based on cost, ease of handling and durability.

Atlantic Hy-Span Ltd. was awarded the contract for supplying the corrugated steel drainage pipe and Campbell's Concrete was awarded the contract for supplying the polyethylene drainage pipe. The total value of both corrugated steel and polyethylene drainage pipe purchased by the Department for its maintenance projects during the season is as follows:

	Corrugated Steel	**Polyethylene**
Armtec Limited		$51,930
Campbell's Concrete	$314,936	

Polyethylene and Corrugated Steel Drainage Pipes

The following length of pipe was installed by the Highway Maintenance Division for the year. (Includes Confederation Trails)

Pipe Diameter	**Central Region**	**Western Region**	**Eastern Region**
Corrugated Steel	**(Metres)**	**(Metres)**	**(Metres)**
300 mm	0	15	8
400 mm	24	27	21
500 mm	0	45	12
600 mm	11	58	24
800 mm	2	3	0
900 mm	1	0	0

1200 mm	0	0	0
TOTAL	**38**	**148**	**65**
Pipe Diameter	**Central Region**	**Western Region**	**Eastern Region**
Polyethylene	**(metres)**	**(metres)**	**(metres)**
300 mm	49	30	18
375 mm	1,906	1,469	565
450 mm	1,557	1,278	465
525 mm	0	8	15
600 mm	274	865	256
750 mm	104	78	15
900 mm	43	18	24
1200 mm	40	0	0
TOTAL	**3,973**	**3,746**	**1,358**

During the year the Highway Maintenance Division undertook the following installations of pipe:

Type of Installation	**Central Region (metres)**	**Western Region (metres)**	**Eastern Region (metres)**
New Installations	2,092	1,070	486
Replacement	884	2,513	835
Extension	122	95	37
Cross culvert	277	204	52
Confederation Trail	110	11	0
Water Problems	496	0	12
Relocate	12	0	0
TOTAL	**3,993**	**3,893**	**1,423**

Note: Figures do not include length of pipe installed by Capital Projects.

Used Corrugated Steel Pipe

The Division continues to follow policy developed for re-sale/re-using culverts to bridge various wood lots, farms and private home entrance ways. With the use of polyethylene pipe and the City of Charlottetown doing their own work, the availability of used pipe in acceptable condition for re-sale or re-use is becoming limited.

Crack Filling

This is a process whereby a hot rubberized asphaltic compound is used to fill random cracks in the paved highway system in order to prevent water from entering into the substructure.

In 2011-2012 the Department sealed approximately **54,249** metres of cracks, using a total of **5,284** kgs of sealant material.

Technical Services

During the year, the Technical Services Section continued to provide required training programs and developed standardized work procedures for the benefit of front-line maintenance staff. Most training has been in-house, utilizing resident expertise. In selected areas, other provincial Departments (e.g. Forestry Division) and outside agencies, including Red Cross instructors, have participated.

Subject matter included but not limited to:

- Occupational Health and Safety Regulations
- First Aid and CPR
- Signaller Upgrade Course
- Work Zone Safety
- WHIMIS
- Crew Orientations
- Winter Operations Orientations
    - Operators
    - Road Patrol
    - Dispatch
    - Supervisor
- Dickey John Training/Testing
- Driver Training
- Highway Maintenance Procedures and Policies
- Crane Training
- Management and Supervisory Training
- Fork Lift Training
- Chain Saw Operation Certification
- Confined Space Training

In excess of 800 employees continue to receive training ranging from one-half day workshops to one-week sessions. The objective of these sessions is to improve awareness of safe and productive work practices.

EASTERN REGION: SUMMER MAINTENANCE 2011

Hot mix asphalt for patching crews was available from mid-May to the second week in October. A total of **13,319.32** tonnes was used by the branch for repairing the Province's paved road network in the Eastern Region. This asphalt was financed from the Division's operating and capital maintenance budget. Hand patching crews spread **2,094.56** tonnes. The Department spreader crew re-surfaced **11** kilometres of badly distressed pavement with **7,629.48** tonnes of asphalt. Private contractors supplied/placed **3,595.28** tonnes of asphalt over **5** kms.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Pauley's Construction	1,662.44
Matheson and MacMillan	1,700.65
Island Construction	453.60
Chapman Brothers	9,502.63
Total	**13,319.32**

Resurfacing

The following roads were resurfaced with a 45 mm lift of asphalt using Department equipment and personnel:

Kings Zone K-1

Road Name	Kilometres
South Lake (Rte. 016)	0.9
Total Kms	**0.9**

Kings Zone K-2

Road Name	Kilometres
Ft. Augustus Rd.	0.8
Windon Rd.	1.0
Settlement Rd.	0.6
Strathcona Rd.	0.7
Selkirk Rd.	0.7
Cameron Rd	0.8
Total Kms	**4.6**

Kings Zone K-3

Road Name	Kilometres
Old Cheese Factory Rd.	0.1
Total Kms	**0.1**

Kings Zone K-4N

Road Name	Kilometres
Valleyfield Rd.	0.4
Campbell Rd.	0.4
Panmure Island Rd.	0.6
Pembroke Rd.	0.6
St. Mary's Bay Rd.	0.7
Total Kms	**2.7**

Kings Zone K-4S

Road Name	Kilometres
Pembroke Rd.	0.62
Cambridge Rd.	0.87
Cape Bear Rd.	0.38
Abney Rd.	0.31
Jordan Lane	0.31
Murray River (Main Str.)	0.24
Total Kms	**2.7**

The following roads were resurfaced by private contractor, Chapman Brothers, through supply and place contracts:

Kings Zone K-1

Road Name	Kilometres
St. Charles Rd.	1
Chepstow	2
MacKinnon Point Rd.	0.1
Priest Pond	0.6
LaPierre Lane	1.6
	1
Total Kms	**4.4**

Kings Zone K-3

Road Name	Kilometres
Harbour Rd. (Launching)	0.6
Total Kms	**0.6**

Total number of kilometres resurfaced in the Eastern Region: **11** kms by Department forces plus **5** kms by private contractors for a total of **16** kms.

Bush Cutting

During the season, three Government mechanical bush cutters cut bushes along the highway. Approximately **566** kilometres were cut. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

Road Maintenance

During the year, seven graders in the county carried out grading services on the unpaved road network **(grading approx. 1,896 kms.)**. These kilometers reflect multiple trips over the **280** km of seasonal roads and **142.5** kms of year-round unpaved roads. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

SANDSTONE (t)	GRAVEL (t)	ROCK (t)
10,751	11,878	97.5

Sandstone and/or gravel was placed as a new surface material and new culverts, driveway or cross pipes were installed as required.

On the paved road network a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required.

The amount of culvert material installed was as follows:

SIZE	LENGTH (metres)
Corrugated Steel Pipe	
300mm (12") steel	7.6
400mm (16") steel	4.0
500mm (20") steel	0.0

600mm (24") steel	0.0
800mm (32") steel	0.0
Total	**12 m**
Polyethylene Drainage Pipe	
200 mm (8") plastic	0.0
250 mm (10") plastic	0.0
300 mm (12") plastic	18.3
375 mm (15") plastic	564.8
450 mm (18") plastic	452.6
500mm (20") plastic	0.0
525mm (21") plastic	15.2
600 mm (24") plastic	256.0
750 mm (30") plastic	14.6
800mm (32") plastic	0.0
900mm (36") plastic	24.4
Total	**1,346 m**

Guardrail and Roadside Maintenance

Various crews are utilized periodically within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each zone.

Grass Cutting

The Division cuts grass on approximately **1,500** kms of road in the Eastern Region. One private grass cutter, equipped with a rotary mower, maintains **120.2** kms of roadside grass. This contractor was contracted to cut grass from the middle of June until the end of September. In addition, three Department-owned farm tractors, equipped with rotary mowers and side cutter attachments, were utilized for roadside grass cutting on the balance of approximately **1,380** kms throughout the Eastern Region.

Shoulder Material

During the past year, shoulder material was used to upgrade and repair worn out sections of shoulders.

Dust Control

Maintenance crews used **517,** 20-kg bags flaked calcium chloride to control dust in specific locations.

Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of approximately **132,460** litres were used to treat approximately **88.40** kilometres of road.

The accompanying tables provide the location and extent of work done in each zone during the year

Kings Zone K-1 Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Bothwell Beach Rd.			0.03				
Bull Creek North			0.36				
Chad Road			0.27				
Church Road			0.15		0.04		0.04
East Road (Red Point)				0.20			0.05
East Road (South Lake)				1.40			
East Tarantum				0.14			
Father James			0.03	0.59			
Father James (Fire break road)	0.03						
Fortune Road							0.03
Fortune Harbour Road							0.20
Gowanbrae							0.03
Grant		0.25					
Heritage			0.16				
Howe Point		0.24	0.10				
Hughie Joseph Road			0.03				
John Dan Chaisson							0.50
Kelly			0.06				
Lakeville (North Side)							0.60
LaPierre Lane				0.01			
Little Harbour Beach Rd.							0.30
MacAulay Lane			0.02				
MacInnis Dam Road	0.75						
MacInnis Pond Rd			0.02				
MacKinnon Pt. Rd					0.02 (p)		
MacPhee Road					0.10 (p)		
Munn's					0.02 (p)		
Middle Tarantum		0.15					0.15
Naufrage	1.00						

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
New Harmony				0.29			
North Side Road (Priest Pond)				0.60			
Old Greenvale Rd					0.05 (unp)		
Pensioners Road			0.02				
Peter Lane	0.05						
Souris Line				0.03			
St. Margarets				0.02			
St. Charles							0.03
West Tarantum					0.03 (unp)		0.15
Total	**1.83**	**0.64**	**1.25**	**3.28**	**0.26**	**0.00**	**2.08**

Kings Zone K-2 Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Anderson			0.10				
Bennett	0.20						
Big Lot							0.20
Brothers Road							0.40
Cable Head West							1.00
Cameron		1.00		0.30			0.40
Canavoy		0.30					0.30
Cherry Hill Road							0.50
Church Road		0.30					
Clay Road	0.10						
Curtis Road			0.30				0.20
Douglas Station		0.20					
Dunphy Road							1.00
Fanningbrooke					0.50 (p)		0.20
Farmington Rte 002				0.40			
Fort Augustus Road							0.20
Green Meadows							0.30
Hatchery			0.10				0.20

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Head of Hillsborough	0.20						0.10
Kenovan			0.10				4.00
Klondike			1.00				0.50
Lighthouse Road			0.20				0.20
Lot 40			0.30				0.30
MacEwen			1.00				1.50
MacLaren			0.10				5.00
MacLeod Road					1.00 (p)		
MacSwain							1.00
Marsh Road			1.50				1.00
Marie (Rte. 002)				0.40			
Milburn Road				0.20	0.20 (p)		0.40
Mooney		0.30					0.10
Myers Road		0.30					
Revell			0.10				
River Road		1.00			2.00 (unp)		0.90
Sandy Cape Road			0.10				
St. Patricks Road		0.10					
St. Peters (Rte. 002)				0.50			0.40
St. Peters Harbour							0.20
Trainor		0.30					0.60
Windon	0.10				0.50 (p)		
Total	**0.60**	**3.80**	**4.90**	**1.80**	**4.20**	**0.00**	**21.10**

Kings Zone K-3 Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Annandale Road (Rte. 310)					0.12 (p)		
Brothers Road		0.60					
Campbell Road					0.05 (p)		
Collins Road		1.12					
Dundas Road (Rte. 004)					0.11 (p)		
France Road (ext.)			0.25				
Hazelgreen Road			0.60				
Hearn Road		0.20					
Launching Road (#33029)		0.90			0.17 (p)		1.00
Launching Harbour Road				0.70			
Lorne Valley Road		1.00					
Mellish Pond Road							0.70
Old Cheese Factory Road				0.06			
Old Mt. Stewart Road							0.30
Perth Station Road					0.07 (p)		0.10
Seven Mile Road (B'town)				0.90			
Somers Road					0.12 (p)		
South DeGros Marsh Road					0.06 (p)		
St. Georges Road					0.45 (unp)		0.45
Walsh Road			0.20				
Total	**0.00**	**3.82**	**1.05**	**1.66**	**1.15**	**0.00**	**2.55**

Kings Zone K-4N Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Campbell Road				0.30			
Heatherdale (Rte. 316)							0.50
Loane Road							4.00
Lower Montague Road							1.00
Roma Point		0.05					
Valleyfield Road				0.50			
Whim Road					0.05 (p)		
Total	**0.00**	**0.05**	**0.00**	**0.80**	**0.05**	**0.00**	**5.50**

Kings Zone K-4S Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Black Brook Road			0.10				
Buell Road		0.20					
Cambridge Road				0.80			
Cape Bear Road				0.40	0.05 (unp)		0.50
Jackson Lane				0.20			
McInnis Street					0.05 (p)		
Murray River				0.20			
Murray's Road	0.10						
Panmure Island Road		0.30		0.60			
Richard's Road		0.20		0.30			
Toronto Road							0.65
Total	**0.10**	**0.70**	**0.10**	**2.50**	**0.10**	**0.00**	**1.15**

EASTERN REGION: WINTER MAINTENANCE 2012

Winter activities in the Eastern Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used:

There were **6,313.16** tonnes of salt purchased for salt-only and 50/50 mix for ice control. The Region also purchased **1,443.04** tonnes of salt to blend with its winter sand. The Region purchased **15,724.29** tonnes of blended sand. This blended material consisted of a mixture of six percent salt, 40 percent imported sand (1/4" minus stone) and 60 percent local sand. This material was stored at five (5) sites throughout the Region. An additional **8,000** tonnes of blended sand (reserve) was stockpiled for reserve for the winter sand piles during the 2012 season. At the remaining two (2) sites ... 3,900t consisted of six percent salt and 100% imported sand. An additional 1,000t of 100% imported sand was stockpiled for reserve.

Ice Control

Ice control on sections of Highway 2, 3, 4 and 16, as well as Souris and Montague main streets, including **148.9** kilometres of road, were maintained by direct salt application.

Sanding Operations

Approximately **1,041** kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by 13 sanding contractors using Department installed hoppers and spreaders. Winter sanding contractors are in an extended year to their **5**-year contract.

Snowfall Records

Total snowfall as recorded by Environment Canada recording station volunteers in the Eastern Region was:

	Recorded (cm)	
Month	**Bangor**	**Munns Road**
November '11		**21**
December '11	**21**	**17**
January '12	**37**	**49**
February '12	**31**	**29**
March '12	**7**	**11**
April '12		

Snow Fence Report

The Department installed approximately **4,970** metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services

The following is a breakdown of the contracted snow removal services for the extension year of a **5**-year contract with private contractors.

Contractor	Kms Plowed
Chapman Bros.	**123.2**
Francis MacLean	**30.9**
G & P Trucking	**88.0**
Kenny MacLeod	**106.2**
Kings County Construction	**88.3**
TOTAL	**436.6**

The Department was responsible for plowing, sanding and salting **860.70** kilometres of highway. To this end, **24** plow routes and five snow blowers (#240/#251/#255/#91215 and #63224) areas currently exist. Below, is the breakdown of the kilometres for which the Department was responsible for plowing, sanding and salting:

Eastern Region

Location	Kms	Graders	Blowers	Loaders	Truck
South Lake	27.9	X			
Bayfield	24.0	X			
St. Charles	40.6				1 (4x4)
Bangor	29.0				1 (4x4)
Forest Hill	26.8	X			
Savage Harbour	22.7			X	
Morell	37.2				1 (4x4)
St. Teresas	27.7	X			
Bridgetown	28.7				1 (tandem)
Georgetown	32.8				1 (tandem)
Annandale	31.1				1 (4x4)
Strathcona	30.9	X			
Cardigan	26.2				1 (tandem)
Little Pond	25.9	X			
St. Georges	44.2				1 (tandem)
Montague	35.6				1 (tandem)
Whim Road	41.8				1 (tandem)
Murray River	41.4				1 (tandem)
Morell East	22.3				1 (tandem)
Guernsey Cove	33.9	X			
Hopefield	39.8				1 (4x4)
Gaspereaux	46.0				1 (tandem)
Souris (includes strs salted)	31.3				1 (tandem)
Sturgeon	53.5				1 (4x4)
Cardigan (includes areas sanded)	48.4				1 (tandem)
Murray River (streets)	11.0			X	
Total	**860.7**	**7**		**2**	**17**

The Department was also responsible for plowing the streets within the Town of Souris, as well as the Villages of St. Peters, Cardigan, Mt. Stewart, Morell, Murray Harbour, Murray River, Montague and Georgetown.

CENTRAL REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in October. A total of **30,662.79** tonnes was used by the branch for repairing the Province's paved road network in the Central Region. This asphalt was financed from the Divisions maintenance budget. Hand patching crews spread **3,327.84** tonnes. The Department spreader crew re-surfaced **26.20** kilometres of badly distressed pavement with**19,668.28** tonnes of asphalt. Private contractors supplied/placed **7,675.83** tonnes of asphalt over **9.83** kms.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Island Construction	18,076.22
M & M Resources	2,656.16
Chapman Bros Ltd.	3,575.15
Central Roadways	6,306.31
Curran & Briggs Limited	48.95
Total	30,662.79

Resurfacing

The following roads were resurfaced with a 45 mm lift of asphalt using Department owned equipment and personnel:

Queens 1

Road Name	Kilometres
Point Prim	0.30
Douses Road	0.60
Hermitage Road	0.80
Greys Road	1.10
Iona Road	1.00
Murray Harbour Road, Bellevue	0.10
Vernon River Road	1.00
Total Kms	*4.90*

Queens 3

Road Name	Kilometres
Fort Augustus Road	2.00
Maint Street, Mt. Stewart	1.10
Queens Point Road	1.50
Corrigan Road	2.20
York Road	1.00
Royalty Road	0.50
New Glasgow Raod	0.90
Millboro Road	0.30
Colville Road	0.80
Total Kms	*10.30*

Queens 4

Road Name	Kilometres
Cathy Drive	0.40
Skipper Drive	0.10
Cornwall Road	1.20
North York River Road (Warren Grove Road)	1.20

Queens 4

Road Name	Kilometres
York Point Road	2.00
Molyneaux Road	1.40
Kingston Road	1.20
Appin Road	0.90
Maplewood Road	1.00
Rte. 225, Hampshire	2.00
Quinn Road	0.40
Total Kms	*11.80*

The following roads were resurfaced by private contractors through supply and place contracts:

Queens 1 (Contracted)

Road Name	Kilometres
McInnis Point Road	1.00
Total Kms	*1.00*

Queens 2 (Contracted)

Road Name	Kilometres
Clearview Estates	1.10
MacLennan Road	0.50
Pownal Road	1.00
Mt. Herbert Road	0.03
Mason Road	0.70
Kinlock Road	0.30
Total Kms	*3.63*

Queens 3(Contracted)

Road Name	Kilometres
Royalty Junction Road	1.20
Total Kms	*1.20*

Queens 4(Contracted)

Road Name	Kilometres
Peters Road	1.20
Total Kms	*1.20*

Queens 5(Contracted)

Road Name	Kilometres
Church Road	1.00
St. Patricks Road	1.00
Buffalo Road	0.20
Mill Road	0.60
Total Kms	*2.80*

Total number of kilometres resurfaced in Central Region: **36.03** kilometres.

Bush Cutting
During the season, two Government mechanical bush cutters cut bushes along the highway. Approximately **382.7** kilometres were cut. Department crews, consisting of a foreman, three labourers, and a half-ton truck, followed the mechanical bush cutters to pick up debris and trim where the cutter could not reach. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

Road Maintenance
During the year, graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks (Department and privately-owned) were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone (m3)	Sandstone (t.)	Gravel (m3)	Gravel (t)	Rock (t)
11,884	13,539	3,878	6,904	613

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required.

A number of drainage problems were corrected on the paved road network. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required.

The amount of culvert material installed was as follows:

Size	Length (metres)
Corrugated Steel Pipe	
300 mm (12")	12.8
400 mm (16")	93.6
450 mm (18")	4.6
500 mm (20")	31.4
600 mm (24")	36.6
800 mm (32")	1.5
900 mm (36")	5.5
TOTAL	185.9
Polyethylene Drainage Pipe	
300 mm (12")	822.9
375 mm (15")	1500.5
450 mm (18")	1358.7
525 mm (20.5")	173.7
600 mm (24")	268.2
750 mm (30")	137.8
900 mm (36")	82.3
TOTAL	4344.1

Guardrail and Roadside Maintenance
Three roadside crews were employed within the Region to repair damaged sections of guardrail. These crews also cut grass and weeds around guardrails and guideposts in each district.

Grass Cutting
The Department hired two private grass cutters to maintain **309.3** kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September. In addition, four farm tractors were utilized for roadside grass cutting on the balance of approximately **2,136** kilometres throughout Central Region.

Shoulder Material
During the year, shoulder material was used to upgrade and repair worn out sections of shoulders.

Dust Control
Maintenance crews used **104** twenty kilogram bags of flaked calcium chloride to control dust in specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of **319,511**litres was used to treat **87** kilometres of road.

The accompanying tables provide the location and extent of work done in each district during the year:

Queens 1- Central Region - Maintenance Activities

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Trans Canada				**0.50**	**0.30**			**12.00**
Gill Road						**3.00**		
MacAuley's Wharf Road		**0.20**				**0.50**		**3.00**
Settlement Road		**0.10**				**4.00**		
Taylor Road						**0.50**		
Drake Road						**0.20**		**1.00**
McGuirk Road						**2.00**		
Gairlock Road		**0.20**				**4.00**		**4.00**
Storey Road						**1.00**		
Point Prim						**..60**		**11.00**
Glashvin Road								**2.00**
Newtown Road								**7.00**
Rte. #3, Alberry Plains				**0.20**				**2.00**
East Uigg Road			**0.20**			**3.00**		
Seal River Road						**1.00**		**1.00**
Murray Harbour Road	**0.60**				**1.20**			**6.00**

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Gay Road								
Avondale Road						1.00		6.00
Monaghan Road								8.00
Cook Road								
Center Road		0.20				2.00		2.00
Pownal Road								3.00
Pinette Race Track						0.60		
Douses Road				0.10		0.80		6.00
Settlement Road		0.10				3.00		
Murray's Road		0.10	0.20			8.00		
Alexandria Wharf Road						1.00		
Queens Road				0.20				4.00
Village Green		0.20				2.50		4.00
Waterside Rd.		0.10				1.00		2.00
New Cove Rd.		0.10	0.10			1.00		3.00
O'Keefe Lane						0.50		0.50
48 Road				0.50	0.20			9.00
Stewart Point						0.60		
Cullodden Road	0.60	0.30				6.00		
Dugan Road		0.20				3.00		
Angus J MacLean						2.00		
Lauries Road						2.50		
Orwell Cove Road								1.00
New Cove Road		0.20	0.10			1.60		
Iona Road				0.30				5.00
Pioneer Cemetery Road		0.10	0.10			1.60		
Crawford Road		0.10	0.10			6.00		

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Wood Islands Road				0.20				9.00
Camp Road				0.10				4.00
Selkirk Road				0.60				8.00
Glencoe Road						2.00		2.00
Ryans Road			0.10			3.00		3.00
Wood Islands Day Park						1.00		
Klondyke Road			0.10			6.00		
Wheeler Road						0.50		
MacPhail Park Road		0.10		0.10		2.00		8.00
Big Point Road						1.50		
High Bridge Road						4.00		
Greys Road		0.10				3.00		4.00
Kinlock Road						2.00		
Cameron Island Road						0.50		
Horton Rd		0.20				1.00		1.60
Lyndale Rd						3.00		
Henry Ln								0.06
Roseberry								6.00
Nickleson Rd		0.10				3.00		
County Line Rd		0.20				3.00		1.80
Big Point Rd						1.50		4.00
Garfield Road		1.00	0.20		1.50	1.50		
Munn's Road		0.60						
Culloden		0.30						
Camp Buchan		0.30						
Dan Compton			0.20					
Holiday Wharf				0.10	0.10			
Gillis Road		0.60						
Queens 1 (unpaved roads ... scraped)						138.90		

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Total	1.20	5.70	1.40	2.90	3.30	241.90	0.00	153.96

Queens 2- Central Region - Maintenance Activities

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Aptos Drive			0.10	0.30				
Brandy Lane								
Clifton Road								0.08
Glen Stewart Drive					1.00	1.00		
Kinlock Road								
Keppoch Road								1.30
Keppoch Lane								0.50
Marion Drive								
Mt. Herbert Road								
Teahill Road								
Upper Teahill Cresc.								
Robinson Road								
McKenna Road								
MacEachern								
Power Road					0.70	2.00		
Higgins Road						0.90		
Bethel Road								2.40
Bunbury Road								1.70
Corwn Point Road						1.20		2.10
Rifle Range						0.90		
Duffy Rd					0.20			
Owen Lane						0.20		
Fort Augustus								4.00
Charlottetown								6.20
Gay Road				0.60	0.20			1.20
MacLennan				0.80				1.00
Pownal Road				4.10	0.10			6.00

Queens 2 (unpaved roads ... scraped)						11.00		
Total			0.10	5.80	2.20	17.20	0.00	26.48

Queens 3 - Central Region - Maintenance Activities

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Afton Road			0.60		0.50	2.00	0.15	4.00
Bedford Road								7.00
MacGilivary Road								
Reg McInnis Road								0.50
Battery Road			0.20		0.30	0.30		
Old Bedford Road						0.30		0.50
Horne Cross Road								0.50
Fort Augustus Road				1.00				1.00
Millcove Road								
Monaghan Road								
Mt. Stewart								
Pisquid Road								
Pt. DesRoches Road			0.75					5.00
Queen's Point Road								
Simmons Lane Road	0.25	0.25						2.00
Tracadie Harbour								1.00
Watts Road								0.25
Portage Road	0.30							1.50
Old Cardigan Road		0.25						
Joey's Road								
Blooming Point Road								2.00
Corrigan Road			0.60	1.25	1.00	1.00		

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Beach Road			0.15				0.05	
MacDonald Road								0.75
MacIntyre Shore Road	0.25	0.40	0.30					1.00
Brackley Point Road					0.15			
Covehead Road				1.00	0.25			2.00
East Suffolk								
Fristen Road	0.25				0.15			
Hardy Mill Road								
MacMillan Point Road								
Normandy Lane	0.25							0.25
Pleasant Grove Road								2.00
St. Peters Road				3.00				6.00
Donaldston Road								2.00
Bob Laird Road								1.50
Cape Breton Road			0.20		0.15			0.15
Parker Cross Road			0.25					
York Road				2.00				
Malpeque Road								
Royalty Junction Road				1.00				
Rustico Road								
Sleepy Hollow Road				1.00				
Union Road								
Winsloe Road								1.00
Anderson Road								
Dougan Road		0.25						1.00
Kilkenny								
Creek Road				0.25				0.75
High Bridge Road		0.20						

Ebenezer Road					0.15			
Wildcat Road								
Queens 3 (unpaved roads..scraped)						167.00		
Total	2.90	2.95	2.60	15.65	3.15	2.15	0.05	5.00

Queens 4 Central Region - Maintenance Activities

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Appin Road						2		2
Argyle Shore Road				0.2				
Balakalava Road						2.6		
Baltic Road						0.5		
Bannockburn Road								0.3
Black Creek Road						1.30		1.30
Bolger Park	1.35					2.25		
Blockhouse Road						0.90		
Bonshaw Road								
Callaghan Road						1.7		0.3
Cameron Road 22135						1		
Cameron Road 22098								
Canoe Cove Road								
Causeway Road								
Charles Lane						0.45		
Clarkin Road						0.2		0.25
Clyde Road								
Clyde River Road				0.55				
Collette Road						2.3		
Colville Road								
Cornwall Road								
Cottage Road						0.58		0.5
County Line						0.45		

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Country View Drive						0.40		
Cowhorn Rd						1.6		
Cumberland Line Road						1.90		
Currie Road						3.65		0.4
Darlington Road								
Darrach Road								
Dock Road								
Elliot River Road					0.4	1.35		
Farrar Road						2.95		1
Ferguson Road						1.2		1.2
Ferry Road						0.60		
Green Road			0.2			3.2		3.2
Halls Lane						0.75		
Highland Park Road						2.80		0.80
Hyde Point Road						0.28		
Inkerman Road								
Jewell Road								
Kingston Road				0.50				
Kinkora Road				0.60				
Linwood Road			0.10			2.60		1.00
Loyalist Road								
MacDonald Road						1.40		1.40
MacEachern Rd West						2		
MacEachern Rd East						0.6		
Maplewood Road						2.10		
McKenna Road			0.2		0.1	4.7		0.6
Mill Road Hampton						1		
Mill Road Warren Gr						1.00		

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Mill Road Wiltshire						1.85		0.5
Meadow Bank Road								
Molyneaux Road								
Monument Rd						0.30		
New Dominion								
North York Point Road								
Wharf Rd Nine Mile Cr			0.27			0.55		
Oyster Shack Road						0.60		
Rocky Point Wharf						0.50		
Warren Grove Road								
West River Road								
Wharf Road								
Malpeque Road								
Johnston Road {Q4}			0.50			1.30		
Peters Road		0.25	1.5		1.4			0.9
Ross Road						4.1		
Rice Point Road								
TCH New Haven				2.7				
TCH Churchill				2.4				
TCH Bonshaw				1.65				
Riverdale Road		0.2		0.875				
Park Rd Canoe Cove						0.5		
South Melville Road								
West River Road				2.7				0.1
Quinn Road						1.45		
Sandy Point Road						1.7		1.7
Sheepskin Road						1.15		

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Wynn Road								
Old Post Road								
St. Catherines Road		1.1			0.2	1		
New Argyle Road								
Shaw Wharf Road						0.1		
Unknown Rd						1.55		
Todd Road						2.1		
Old Appin Road						1.15		
Old Tryon Road								
Perley Shaw Road			0.25			0.35		
Park Rd Argyle Shore	0.5							
Osborne Road			0.1			0.33		
Memory Road						0.4		
Nelson Street								
Shore Road								
Rte 13								
Old Tryon Rd						0.35		
Old Mill Rd Crapaud						0.15		
Wharf Rd York Pt						0.70		
Zone 17 (unpaved roads ... scraped)						160.00		
Total	1.85	1.55	3.12	11.42	2.10	116.29		17.45

Queens 5- Central Region - Maintenance Activities

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Bagnall Road	0.1							
Bernard Road								
Campbell's Pond								0.3
Grady Road								0.3
Clifford Lane			0.2					
Cobb Road		0.05	0.1					
Junction Road			0.1					
Johnstone Road			0.2					
Kerrytown Road								
English Church								
Long River East								
New Road					0.3			
New London Road								18
Rattenbury Road								10
Rte. 6 Stanley Bridge								4
Rte. 20								11
Rte. 13				0.1				10
Rte. 20, Seaview								
Snowie Rd.								8
Pickering Road								
Cousins Shore								
North Road			0.1					
Marks Road								
Rustico Road								15
Taylor Road								
Big Bungay								8
Burlington Road								4
Wharf Road Long River								
Pine Grove Road		0.1						
McCourt Road			0.2					
Smith Road				0.1				
Irishtown Road				0.1				
Millvale Road								1

	in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Wharf Rd (South Rustico)								
Elton MacLean								
County Line Rte 232								
Warburton								
Center Road			0.3					
Bubble Bee			0.1					
Toronto Road								
Eddy Murphy Road.	0.1							
Art Ford Crossroad			0.15		0.1			
Millman Road								
Millboro Road								
Houston Road	0.1							
Brander Pond								
Little Bungy		0..05						
Princetown Road			0.15					2.00
Woodside Rd.			0.20					
Broadway		0.60						
John Murphy								
Walter Adams								
Coulson Rd.	0.20		0.20		0.10			
Yankee Hill								
Campell Road (Irish Town)								
St. Andrews Rd.								
Long River West								
River Rd.								
Grahams Road								9.00
Cavendish Rd.								11.00
Buffalo Road								
Mill Road		0.60						
Old New London Rd								5.00
Simpson Mill Road								7.00
Settlement Road								
Trout River Road	1.00							
Clyde Road		0.05	0.10					

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
New Orleans								
New London				0.60				15.00
Howard Rd					0.40	0.40		
Breadalbane Rd			0.40					
Tinny Rd								
New Glasgow Rd				0.30				
Campbellton Rd								7.00
Church Rd								10.00
Zone 18 (unpaved roads ... scraped)						168.50		
Total	1.50	1.40	2.50	1.20	0.90	0.40	0.00	155.60

CENTRAL REGION: WINTER MAINTENANCE

Winter activities in Central Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used:

There were **22,680.98** tonnes of salt purchased for salt-only and 50/50 mix for ice control. The region purchased **860.41** tonnes of salt to blend with its winter sand. The blended winter sand consisted of a mixture of six percent salt, 30 percent imported, 1/4" minus stone and 70 percent local sand. This material was stored at 11 sites throughout the Region. **23,541.39** tonnes of blended winter sand was purchased for use in the Region.

Ice Control

Ice control on **185** kilometres of the main highways in the Region (a two-lane equivalent of 249 kilometres) was maintained by the direct application of road salt. Ten tandem and two single-axle trucks, equipped with automatic spreader gear were used for salt application. Department trucks were utilized to provide this service in the Charlottetown Perimeter Highway and the Town of Stratford.

Sanding Operations

Approximately **1,345** kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by 22 sanding contractors using Department installed hoppers and spreaders. In addition, five Department trucks were utilized to provide service on Route #225, Warren Grove to Hartsville, Route #235 to North River to Kingston and Stratford.

No additional blended sand was required to re-charge the winter sand piles during the season.

City of Charlottetown

The Department carried out snow and ice control on **23** kilometres of main streets in the City.

The City of Charlottetown purchased **9278.78** tonnes of salt and **297.08** tonnes of blended sand from the Department.

Snow Removal

Total snowfall as recorded by Environment Canada recording station volunteers in Central Region were:

	Recorded (cm)		
Month	**Charlottetown**	**Elmwood**	**New Glasgow**
November '06	0	0.4	0
December '06	38.6	35.8	37.3
January '07	41.6	39.2	53.5
February '07	23	15.6	22
March '07	40.8	35	56
April '07	45.2	43.4	49

The heaviest snowfall for the snow removal season in Central Region was recorded on April 7, 2007 at the New Glasgow recording station with a total of 30 cms of snow.

Snow Fence Report

The Department installed approximately **13,830** feet of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services

The following is a breakdown of the contracted snow removal services for the final year of a four-year contract with private contractors.

Contractor	Kilometres Plowed
AK Construction East	65.1
Birt & MacKay	81.2
M & M Resources	58.9
Duffy Backhoeing & Trucking	26.9
Island Construction	130.5
Island Excavators	97.5
Maritime Construction	111.0
Matheson Construction	99.9
Matheson & MacMillan	98.2
North Shore Trucking	61.6
Total	**830.8**

The Department was responsible for plowing **776** kilometres of highway. To this end, 24 plow routes and six blower routes were established. The following equipment was assigned and located as follows:

Central Region

Location	Kilometres	Graders	Blowers	Loaders	Trucks
TCH West	31.1				2
St. Peters Rd	39.3				1
TCH East Ch'town - Orwell	21.1				1
TCH East Orwell - Wood Islands	31.3				1
By-Pass Ch'town	15.2				1
Ch'town Rte.2 - Summerfield	35.0				2
Route 225 - Route 235	30.9				1
DeSable, South Melville	38.0				1
Rustico Rd., Mayfield	42.2				1
Rocky Pt., Meadowbank Rd. Cornwall Rd.	36.5				1
Vernon, Kinross, Newtown	42.0				1
Selkirk Rd., Iona Rd., Oceanview	46.2				1
Central Rd., Murray Harbour Rd., Rte. 315	39.5		1		1
New London, Stanley Bridge, Cavendish	37.4	1	1		
Cornwall, North River	47.2	2		1	
Rice Pt & Rocky Pt.	17.0	1			
Stratford	73.3	1		1	3
Earnscliffe & Millview	25.4	1			
Pt. Prim, Pinette	35.4	1			
Rustico	19.0			1	
Ch'town Mains	29.4				2
Pownal, Crossroads	29.4				1
Garage Parking Lots				1	
Government Building Lots				2	
Meadowbank, Upton Rd., Off Ramps	5.4				1
By-Pass, Off Ramps, Hospital Entrance	8.6				1
Central Region (used where needed)			4		
Spares		1		1	2
TOTALS	**775.7**	**8**	**6**	**7**	**25**

WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the June to October. A total of **22,942.09** tonnes was used by the branch for repairing the Province's paved road network in the Western Region. This asphalt was financed from the Division's operating and capital maintenance budget. Hand patching crews spread **2,602.03** tonnes. Private contractors supplied/placed **19,340.06** tonnes of asphalt over **24.54** kilometres.
The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Curran & Briggs Ltd	13,765.44
HI Construction Ltd	8,702.74
Total	**22,468.18**

Resurfacing

The following roads were resurfaced by private contractors, Curran & Briggs and HI Construction, through supply/place contracts.

Prince Zone P-1

Road Name	Kilometres
Linkletter Avenue	1.05
Nodd Rd	1.12
Stavert Shore Rd	1.05
Searltown Rd	1.04
MacMurdo Rd	0.55
Rte 115 Mt Tryon Rd	0.73
Rte 110 MacIntyre Rd	0.88
Total Kms	**6.42**

Prince Zone P-2

Road Name	Kilometres
Rte 6 Margate	1.04
Rte 232 County Line Rd	0.60
Old Station Rd	0.58
Rte 107 Kerrytown Rd	1.01
Rte 122 Allen Rd	1.03
North Drive	0.47
Kinsmen Rd	0.60
Rte 177 Mt Carmel Rd	0.98
St Raphael Rd	0.50
Rte 129 Higgins Rd	0.65
Rabbitown Rd	0.25
McIsaac Rd	0.63
Rte 11 Higgins Rd	0.29
Total Kms	**8.63**

Prince Zone P-3

Road Name	Kilometres
Rte 12	0.39
Aldous Rd	0.51
Rte 12 Foxley River	0.74
Enmore Rd	0.61
Beaton Rd	0.50
Rte 14	0.85
Total Kms	**3.60**

Prince Zone P-4

Road Name	Kilometres
Barclay Rd	‘0.37
Mill Rd	0.46
Rte 11 Higgins Rd	0.29
Rte 142 Kelly Rd	0.64
Rte 154 Pridham Rd	0.44
Lupin Lane Northport	0.17
Hardy Rd	0.82
Rte 14 Ebbsfleet	0.75
Rte 157 Deblois	0.44
Rte 182 Norway	‘0.62
Judes Pt Norway	‘0.34
Miminegash Harbour	‘0.55
Total Kms	**5.89**

Total number of kilometres resurfaced in Western Region: **24.54** kms by private contractors.

Bush Cutting

During the season, three Government mechanical bush cutters cut bushes along the highway. Approximately 541.10 kilometres were cut. The Division also used a mechanical brush chipper and crew to eliminate the need to haul away the slash.

Road Maintenance

During the year, seven graders in the county carried out grading services on the unpaved road network. This would include **298**_km of seasonal roads and **221** kms of year-round unpaved roads. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone	Gravel	Gabion Rock	Other	Milings
12300	22779	187	2953	973

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required. This work was financed through regular maintenance and capital budgets. On the paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required for new entrance ways and replacements.

The amount of culvert material installed was as follows:

Size	Length (Feet)
Corrugated Steel Pipe	
300mm (12") steel	30
400mm (16") steel	0
450mm (18") steel	60
500mm (20") steel	139
600mm (24") steel	114
750mm	0
800 mm (32") steel	10
900 mm (36") steel	0
1200 mm (48") steel	30
Total	**383**
Polyethylene Drainage Pipe	
300 mm (12) plastic	260
375 mm (15") plastic	4361
450 mm (18") plastic	3694
525mm plastic	26
600mm (24") plastic	2773
750mm (30") plastic	265
900mm (36") plastic	125
Total	**11504**

Other Culvert (in feet)	
200mm Plastic	***20***
Total	***20***

Guardrail and Roadside Maintenance

Maintenance crews were employed within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each zone.

Grass Cutting

The Department contracted five private grass cutters to maintain **843.80** kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September. In addition, three Department tractors were utilized for roadside grass cutting on arterial collectors and scenic drives of approximately **869.8** (2 passes) kilometres throughout the Region.

Shoulder Material
During the season, shoulder material was used to upgrade and repair low sections of shoulders.

Dust Control
Maintenance crews used **632** twenty kilogram bags of flaked calcium chloride to control dust in specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of **191,359** litres was used to treat **94.50** kilometres of road.

The accompanying tables give location and extent of work done in each Zone during the year.

Prince Zone P- 1 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Nodd Rd		1.40		1.40			
Mt Tryon Rd		0.60		0.60			
Linkletter Avenue		0.60		0.60			
MacMurdo Rd				0.60	0.20		
Rte 112 Albany		1.00		1.00			
Stavert Shore Rd		1.00		1.00			
MacIntyre Rd		0.60		0.60			
Wilmont Valley Rd		0.80		0.80			
Newton Rd		0.50		0.50			
Scales Pond Rd	1.00			1.00			
Walsh Rd			0.15				
North Freetown Rd			0.16				0.50
New Rd Fernwood		0.40	0.10				
MacCallums Pt Rd			0.15				0.60
Sherry Rd			0.20				
Greenan Rd	0.10		0.15				
Lawless Rd			0.10				
Pius Croken			0.10				
County Line Rd Margate		0.20					
Train Station Rd		0.15					
Gardiner Rd		0.10					
MacQuarrie Rd	0.20	0.30					
Murray Rd		0.20					

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Boodle Rd		0.20					
Middleton Rd	0.10	0.20					
Baker Shore Rd		0.10					
Wright Rd		0.10					
Bradford Rd		0.10					
Lords Pond Rd	0.10						
Kelly Rd	0.10	0.10	0.10	0.10			
Newton Rd		0.50		0.50			
Blue Shank Rd	0.30			0.30			8.00
Rte 225 Shamrock	0.30			0.30			
Rte 225 Kinkora		1.00		1.00		0.50	
TCH Borden	0.30			0.30			
Rte 10 Seven Mile Bay		0.50		0.50			4.00
Rte 10 Cape Traverse		0.30		0.30			
Rte 1A Middleton	0.40			0.40			
Cumberland Cove Rd		0.30					
Salutation Cove Rd		0.20					
Cutcliff Rd		0.30					
Connelly Woods Rd		0.20					
Campbell Rd		0.10					
Leards Mill Rd		0.10		0.10	0.80		
Boquet Cove	0.30	0.20					
Morrison Lane	0.20	0.20					
Carins Rd					0.10		
Bedeque Rink Rd					0.20		
Freetown Rd					0.10		
Kinkora TD down field					0.28		
Duffy Rd					0.18		
Maple Plains					0.14		
Vemon Muttart Rd					0.33		
Rte 225 Kinkora					0.11		

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Totals	**3.40**	**12.55**	**1.21**	**11.90**	**2.44**	**0.50**	**13.10**

Prince Zone P-2 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Rte 6 Margate				1			
Old Station Rd				0.6			
County Line Rd				0.6			
Allen Rd				1			
Kinsman Rd				0.7			
North Drive				0.50			
Rte 177				1			
St Raphael Rd				0.5	0.76		
MacIsaac Rd				0.5			
Higgins Wharf Rd				0.7			
Rte 11 Abrams Village					0.14		
Goodwin Rd					0.04		
Cannontown Rd					0.30		
Rte 12 Belmont Twin Crest Farm					0.58		
Rte 11 Maximeville					0.19		
Rte 11 Inter. Richards Rd					0.40		
Rte 104 Hamilton Loop					0.11		
Rte 11 Union Corner					0.22		
Rte 11 Mount Carmel					0.07		
St Nicholas Rd					0.30		
Rte 11 St Nicholas					0.66	0.07	
John Paul Rd						0.06	
Strang Rd	0.80	0.40					
Thompson Shore Rd			0.60				
Montgomery Rd			0.22				

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Baseline Rd		0.22	0.20				
Gunning Shore Rd		0.61					
Total:	**0.80**	**1.23**	**1.02**	**7.10**	**3.77**	**0.13**	**0.00**

Prince Zone P-3 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
East Bideford Rd							0.40
Cedar Dunes Park Rd							0.60
Rte 12 MacDougall Corner					0.35		
Rte 131 Grand River					0.39		
Rte 12 Bayside					0.23		
Rte 12 Port Hill					0.18		
MacArthur Shore Rd					0.21		
Gorman Lane					0.23		
Rte 12 Grand River					0.18		
Paugh Rd					0.31		
Rte 12 Freeland					0.24		
Conway Rd					0.35		
Tory Rd					0.94		
Burleigh Rd					0.46		
Rte 11 Enmore					0.11		
Rte 138 Alaska					0.14		
Boulter Rd					0.23		
Rte 14 Glenwood					0.38		
Hamilton Rd					0.40		
MacDougall Rd					0.12		
O'Leary Rd					0.12		
Hall Rd Victoria West					0.99		
Rte 14 West Point						0.45	

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Total:					6.56	0.45	1.00

Prince Zone P-4 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting (by hand)**
Hackeny Rd			0.15				
Birch Grove			0.05				
Farley Rd			0.20				
Foy Rd		0.06					
Watson Rd			0.17				
Shields Rd			0.11		0.16		
Ashley Rd		0.08					
Blanchard Rd		0.13					
Dunbar Rd		0.12					
Palmer Rd North		0.35					
Trainor Rd		0.13			0.42		
Jerry Rd		0.15					
Division Line Rd		0.09					
Coughlin Rd		0.07					
Christopher Rd		0.20					
Deblois Rd		0.31					
Doyle Rd		0.14					
Mansfield Rd		0.09					
Pitre Rd		0.09					
Old Martin Rd		0.15					
Old Tom Rd		0.10					
Northport Shore Rd		0.09					
Provost Rd			0.13		0.42		
Paint Shop	0.09						
Ebbsfleet Rd					0.17		
Union Rd St Edward					0.20		
Rte 14 Campbellton					0.32		
Bloomfield Mall					0.14		
Total	**0.09**	**2.35**	**0.81**		**1.83**		

WESTERN REGION: WINTER MAINTENANCE

Winter activities in the Western Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used:

10,452.81 tonnes of salt were purchased for salt-only and 50/50 mix for ice control, 2,047.88 tonnes to blend with its winter sand. The 34,306.83 tonnes of blended sand purchased by the Region, includes amounts for Reserve piles . This blended material consisted of a mixture of six percent salt, 30 percent imported, 1/4" minus stone and 70 percent local sand. This material was stored at ten (10) sites throughout the Region.

Ice Control

Ice control on sections of Highway 1, 1A, 2 East, 2 West, 153 and sections of 142, 150 and 152, as well as Tignish, O'Leary and Alberton main streets, including 198.57 kilometres of road, were maintained by direct salt application.

Sanding Operations

Approximately 1,259.25 kilometres of secondary roads were maintained with blended winter sand/salt operations. Sanding operations were carried out by 20 sanding contractors using Department installed hoppers and spreaders. Winter sanding contractors are in the last year of a 5-year contract.

Snowfall Records

Total snowfall recorded by Environment Canada recording station volunteers in the Western Region was:

Location	Recorded (cm
Long River	288
Tyne Valley	253
Summerside	301.6
Elmwood	412.5
Tignish	288

Snow Fence Report

The Department installed approximately **2,363** metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Snow Removal Contracted Services

The following is a breakdown of the contracted snow removal services for the fourth year of a 4-year contract with private contractors.

Contractor	Kms Plowed
AK Construction West	152.85
Acadia Construction	98.39
AJL Ltd.	68.55
Clearview Construction	137.16
Curran & Briggs Ltd.	166.18
Duffy Construction	92.02
HI Construction	102.25
Matthew's Lime Spreading	92.71
Northern Enterprises Ltd.	82.12

Contractor	Kms Plowed
Westisle Construction	109.12
TOTAL	**1101.35**

The Department was responsible for plowing **498.04** kilometres of highway. To this end, 17 plow routes were established. The following equipment was assigned and located as follows:

Western Region

Location	Kms.	Graders	4 x 4	Blowers	Loaders	Trucks
Tignish	40.69					1
Cascumpeque / Alberton	34.58		1			
Fortune Cove	20.65	1				
Bloomfield	34.53					1
Alaska	30.03	1				
Tyne Valley	23.51	1				
Alma Spare		1		2		1
Albany Rte 1	23.44					1
Kinkora	21.29					1
Albany	40.60		1			
Summerside, Rte 1A	27.15					1
Slemon Park	12.54				1	
Wellington	26.71	1				
Summerside West	32.35					1
Summerside, Rte 2 East	27.87					1
Searletown	42.89		1			
Oleary	28.29		1			
St Louis	30.92	1				
Summerside spares		1		3		2
Totals	**498.04**	**7**	**4**	**5**	**1**	**10**

CONFEDERATION TRAIL MAINTENANCE

Maintenance Crews performed work on the approximately **414** kilometres of the Confederation Trail.

Activity	Total
Vegetation Control	414 kms
Culvert Replacements	121 metres

Ditching	8.6 kms
Bush Cutting	46.3 kms
Pre-develop	3kms
Groom & Roll	72kms
Groom & Resurface	118 kms

MECHANICAL BRANCH

Expenditures

Operating budgets for the Mechanical Branch and Fleet Operations during the year totalled $16,332,400. The budget appropriation was distributed as follows:

Activity	Total	
Charlottetown Garage Direct	$	4,510,600
Charlottetown Garage Indirect	$	1,228,900
Bridgetown Garage Direct	$	1,927,100
Bridgetown Garage Indirect	$	411,300
Summerside Garage Direct	$	2,816,600
Summerside Garage Indirect	$	150,400
Western Region Operators	$	1,477,700
Central Region Operators	$	2,454,400
Eastern Region Operators	$	1,355,400
Total	**$**	**16,332,400**

Equipment

Corporate Fleet

Transportation and Infrastructure Renewal maintained overall responsibility for management of the Corporate Fleet. Department staff work closely with line departments in the overall management of fleet vehicles. This streamlined approached includes assessment of vehicles to determine appropriate replacement schedules and opportunities for reallocation of vehicles to in the broader government fleet in an effort to maximize each vehicle's useful life.
During the year, a total of $1,266,644.38 was invested in to upgrade the Provincial Government corporate fleet which includes vehicles categorized as passenger cars, vans and light trucks of approximately 1.5 ton or less. Capital budget allocations totalled $900,000 while operating funds and capital allocations within various line departments were accessed for the remaining $366,644.38 of light fleet purchases.

Light Fleet Purchases

Quantity	Equipment Purchased
5	SUV
5	Passenger (Mini) Van Purchase

1	Secure Transport Vehicle
4	Compact Car Purchase
7	1/4 Ton Trucks
14	½ Ton Regular Cab Truck
2	½ Ton Crew Cab
6	1 Ton Crew Cab with Dump
1	1 Ton Reg Cab
1	Wheelchair Van
1	Cube Van
2	Cargo Vans
49	Total Vehicles Purchased

Heavy Fleet

The sum of $1,000,000 was allocated for the Capital heavy equipment account, which includes all commercial vehicles exceeding 4 ton & over and other heavy equipment such as loaders, tractors, bush cutters and attachments are equipment associated with the operation.

Heavy Fleet Purchases

Quantity	Equipment Purchased
1	Road Edger
1	Wheel Balancer
3	Tandem Trucks
1	Rotary Grass Cutter
1	John Deere Rotary Cutter
1	Felling Tridem Tag Along Float
1	Honda Motor/Winch Assembly Felling Trailer
3	Snow Plow Accessories for Tandem Trucks
3	Greasing & Brine Systems

Each year this report includes a table to show the average fleet ages for active units as an indicator of the progress of the Fleet Replacement Program. Numbers reported in this report reflect inventory at June 20, 2012. The ideal number in the "% Units Over Half Age" column is 50%. At any given time, half of the vehicles in the fleet should not be older than, 50% of the Optimum life and 50% should be younger than Half age. The table shows that the government wide corporate fleet and Mechanical Branch heavy fleet continue to be over-aged and identifies the problem areas.

2011/12 Fleet Age Indicators

		In Years			
Unit	**Quantity**	**Optimum Life**	**Target Average Age**	**Actual Average Age**	**Percentage Half Age**
Corporate Fleet	361	6	3	5.2	59%
Single Axle	19	10	5	9	58%
Tandem	34	10	5	9.2	25%
4 x 4	17	20	10	25	100%
Grader	22	20	10	22	96%
Loader	22	20	10	19	78%
Self Propelled Blower	12	25	12	30	100%
Loader Mount Blower	5	20	10	6	0%
Tractor	26	20	10	18	89%
Grade-all	2	20	10	18	50%
Spreader	2	20	10	18	100%
Roller	3	20	10	17.3	100%
Sand Hopper	62	20	10	10	50%
Trailer	55	20	10	5.7	17%
Small Asphalt Rollers	16	10	5	2	0%
Crack Filling	1	10	5	2	0%

Replacement Program

Each year, Department staff continue to conduct a total review of the equipment to determine a replacement program. This program identifies the most immediate needs of the Department - namely operational requirements - and the replacement of existing equipment that has exceeded their useful life cycle. This program identifies the equipment requirement for years one through five and the annual costs necessary to accomplish it. The equipment is aging and the Department has not been able to keep up with demands of an aging fleet.

Systems

The Fleet Management System continues to be utilized to provide an account of the operating and maintenance costs associated with the Department's fleet of vehicles. A project is currently underway to implement an update to the Fleet Management System which will include a review of existing data and process. Reporting requirements and enhancements will also be explored. It is anticipated this project will continue throughout the next year.

Key Result Areas

Achievements of key result areas were as follows:

Financial Control

The measure for financial control is budget achievement. The target is 100% achievement of budget. During the year, expenditures exceeded budget as a result expenditures on repairs to heavy fleet equipment attributed to an aging fleet, resulting increased costs of parts. Also, with the higher price fluctuations of heating fuel, diesel and gasoline it has been very challenging for maintenance operations with many pieces of heavy equipment and huge repair facilities utilizing significant volumes of fuel.

During the 2011/12 year the Province identified a surplus of school bus parts that were no longer required. There was over $200,000 in parts and old equipment auctioned off. Inventories were counted and adjusted to reflect the reductions in all five facilities.

The Department continues to promote safety awareness by looking at methods that will allow for safer work environments and educating the work force in areas of safety issues.

Training
The Mechanical Branch continues to consider training as a priority and therefore provides training in the following areas:

- First Aid
- Welding Apprentice Training/OJT
- Dangerous Goods
- Driver Refresher Course
- Engine Diagnostic Session
- Forklift Training
- 3 Mechanic Apprentices
- 2 Welding Apprentices
- 1 Welding Mechanic completed their apprenticeship and is now an employed in the trade.

Infrastructure Secretariat - Annual Report FY April 1, 2011 – March 31, 2012

The Infrastructure Secretariat is a joint Provincial - Federal Office, responsible for looking after infrastructure funding programs for Prince Edward Island. The office houses three full time provincial employees.

Within the reporting period, five infrastructure programs were in operation:

1. Gas Tax Program (GT)(a.k.a.-New Deal for Cities and Communities) and Gas Tax Extension(GT);
2. Canada-PEI Municipal Rural Infrastructure Fund (MRIF);
3. Building Canada Fund - Communities Component (BCF-CC);
4. Building Canada Fund -Major Infrastructure Component (BCF-MIC); and
5. Infrastructure Stimulus Fund

INFRASTRUCTURE PROGRAMS

1. Gas Tax Fund (New Deal for Cities & Communities) and Extension program

The Gas Tax program became active on November 22, 2005 with the signing of the Agreement. The Agreement provides the province with Thirty-Seven Million Five Hundred Thousand dollars ($37,500,000) over 2005-2010. An extension to the program was announced on September 8, 2008, totalling Sixty Million dollars ($60,000,000) for a four year period from 2010-2014.

All projects undertaken with Gas Tax Funding must fall within the eligible project categories, which are: wastewater, water, solid waste, public transit, community energy systems, active transportation infrastructure and capacity building.

The Province started the 2011/12 fiscal year (FY) with a carryover of undistributed 2010-11 GT funds totalling $2,149,863. The Province then was entitled to receive $15,000,000 from Canada as part of their four-year allocation from the extension agreement. The available dollars for spending totalled $17,295,373. Of the available fund, $14,235,130 was transferred to Eligible Recipients.

The Gas Tax Extension Agreement for the Province of Prince Edward Island has four program areas:

A. Direct Allocations to the 26 Water and/or Sewer Communities	$ 30.0 million

B. Community and Capacity Building (plus program admin)	$ 12.0 million
C. Municipal Services provided by the Province (Roads and Bridges)	$ 18.0 million
	Total $60.0 million

A. Direct Allocations to the 26 Water and/or Sewer Communities

In order for the 26 water and/or sewer communities to receive the bi-annual funding instalments, they needed to supply a Capital Investment Plan to the Secretariat for approval. In 2011/12, the Infrastructure Secretariat received all the required CIP's from municipalities. Project applications from the 26 ESMI communities were submitted; they outline 82 projects, with a total project cost of $85,112,991.

B. Community and Capacity Building (plus program admin)

In the Gas Tax Extension Agreement an additional, $12.0 million was established for the Community and Capacity Building Fund, as well as for the programs administration. Administrative costs have been approved at $600,000; leaving a minimum of $11.4 million for the Community and Capacity Building Fund.

It was decided by Management Committee to divide the Community and Capacity Building funding into two separate funding programs: 1) Community Fund; and 2) Capacity Building Fund. Each of these programs is application based, and requires Guidelines and Criteria, which were approved by Management Committee.

The Gas Tax Agreement seeks to foster sustainable cities and communities, which can achieve a higher quality of life and standard of living. The Communities Fund has been amended to open it to all those who receive a direct allocation and those who do not provide water and/or sewer but who wish to undertake other infrastructure initiatives. All projects must fall within the eligible categories established in the original Gas Tax Agreement.

Community Fund

Management Committee approved the amended Community Fund Guidelines and Criteria in April 2011, opening the funds for those who received a direct allocation. In 2011/12, four (4) projects were approved for funding with a total cost of $3,811,055 of which $2,704,835 is Gas Tax funds.

Capacity Building Fund

The vision of sustainability reflected in the Agreement integrates the four independent dimensions: cultural, social, economic, and environmental. Within this context the "Capacity Building Fund" has been established to assist communities to enhance their capacity to achieve and maintain long term sustainability

The CBF is used towards soft cost projects, such as system wide planning, official plan and bylaw creations, infrastructure planning, land use studies and sustainability projects. There were 8 projects approved in the 2011/12 fiscal year with a total cost of $411,402 of which $317,322 is Gas Tax funds.

C. Municipal Services provided by the Province (Roads and Bridges)

Through the Gas Tax funding for the Municipal Services provided by the Province (roads and bridges), $18 million has been approved over 4 years. All projects will be carried out by the Provincial Department of Transportation and Infrastructure Renewal (TIR). Projects in the 2011/12 fiscal year include: York/Covehead Rte.25, Richmond Rte., Rte Terry Fox Sports Complex Entrance Cornwall, Ellerslie Intersection, Dekker Road Route 2, Murray River Route 24 and Keppoch Rd. Mason Rd. Stratford, St. Peters Bridge. Total cost of projects and Gas Tax funds used was $ 4,643,067.

2. Municipal Rural Infrastructure Fund (MRIF)

On April 27, 2005 the $54 million Municipal Rural Infrastructure Fund (MRIF) was announced. Eligible applicants for MRIF funding include municipalities, unincorporated areas and community organizations. MRIF funding consists of equal share contributions between the Federal, Provincial and Municipal Governments.

MRIF is considered to be an innovative and effective approach, designed to take into account the priorities of both large and small communities across the Island, and offers a unique opportunity to enhance local infrastructure to support future growth and development. This program includes a strong "green" element, directing a minimum of 40% of funds to support projects that will lead to cleaner air and cleaner water. Green projects include such things as, improvements to local water systems, upgrades to wastewater facilities, and environmental energy improvements to municipal buildings. Public transit projects are also considered "green".

A secondary focus provides for investment in categories such as local roads, improved internet access, and projects to promote local culture, recreation and tourism. In addition, up to 1% of the fund will be devoted to infrastructure capacity building to assist communities to better access their existing infrastructure and to strengthen municipal planning.

The Canada-Prince Edward Island Municipal Rural Infrastructure Fund is administered by the Department of Community and Cultural Affairs and the Atlantic Canada Opportunities Agency; the Federation of PEI Municipalities is also represented on the program's management committee.

As of March 31, 2010, all available funds under the MRIF program had been committed. Ninety-Seven (97) projects were approved, totaling just over $63.5 Million.

While no additional projects were approved in the period April 1, 2011 to March 31, 2012, there were a few minor amendments granted to projects. In February 2010 an amending agreement was signed to extend the date of the program until March 31, 2014. This extension will allow two projects to continue to completion.

In FY2011-12, seven (7) projects received $406,438 in funds from submitted claims as Table 1 shows.

Table 1 – Municipal Rural Infrastructure Fund Actual for FY2011-2012

MUNICIPAL RURAL INFRASTRUCTURE FUND			
Applicant	**Project Name**	**Total Cost**	**FY 2011-12**
Environment Industrial Services	Georgetown Wellfield Upgrade & Chlorination	224001	115371
Georgetown	Sewer lagoon upgrades - Phase II	598926	174427
Kensington	Water Metering Program	76200	4947
Montague	Montague Wellness Centre	6738957	37
O'Leary	O'Leary Recreation Fields	359118	16233
Souris	Sewer/Watermain/ Sidewalk replacement on Main St.	1338029	75254
Tignish Sports & Recreation Association	Construct new area	3198872	20169
	7 Projects Total	**$ 12,534,103**	**$406,438**

CAPITAL EXPENDITURES T/C
Year Ending March 31, 2012

BRIDGES C/A

Eastern Region

St. Peters Bridge c/o	773,762		
Greek River Bridge/Point Pleasant Bridge Replacement	1,086,459		
Total Eastern Region		1,860,221	

Western Region

Ross' Corner Bridge Replacement	2,749,865		
Darnley Bridge	1,724,699		
Kildare Bridge	106,262		
Montrose Bridge Dredging	221,523		
Total Western Region		4,802,349	

Bridge Miscellaneous

Bridge Maintenance Various Bridges	122,727		
Bridge Inspection Program	435,078		
Storm Damage Dec. 2010 Various Districts	348,354		
Total Bridge Miscellaneous		906,159	
TOTAL BRIDGES C/A			7,568,729

HIGHWAY RECONSTRUCTION

Western Region

Borden Parking Lot	377,753		
Rte 1 North Tryon	762,522		
Broden WIM Scale	1,440,162		
Rte 1A North Bedeque	720,306		
Scales Pond	13,917		
Rte 1 at McCains	225,044		
New Annan Rte 2	214,168		
Rte 20 Springbrook (DFAA)	184,631		
Rte 2 Replace Traffic Loops	17,299		
Wellington Intersection	96,647		
Miscouche Rte 2	60,145		
Wellington Co-op Storm Sewer	5,311		
Park Avenue - O'Leary	156,191		
O'Leary Roundabout Holdback	6,589		
Rte 2 Bloomfield	673,321		
Harbour Rd - Miminegash	56,384		
Rte 152 St. Louis	338,429		
Total Western Region		5,348,819	

Central Region

Rte 26 Stratford Rd c/o	131,868		
Irving Rd - Stratford	120,635		
Rte 6 Oyster Bed Bridge (DFAA)	137,201		
Rte 1 CPH Concrete Median	75,810		
Riverside Drive Ch'town (DFAA)	111,196		
Rte 2 Springvale	542,257		
Rte 1 Cornwall c/o	29,895		
Rte 225 Shamrock & Rose Valley c/o	8,000		
Rte 1 Hampton	923,088		
Rte 225 Springton-Stanchel	279,072		
Rte 1 TCH Churchill	168,370		
Rte 9 Hampshire - Colville Rd	174,442		
Atlantic Gateway-TCH Consulting Fees	2,382,946		
Rte 6 Rusticoville	174,730		
Rte 13 Rennies Rd	1,287		
Rte 242 Cymbria (DFAA)	187,982		
Total Central Region		5,448,779	
Eastern Region			
Morell - Bristol Rte 2	29,900		
Bristol	2,093,080		
Valleyfield Rd Rte 4 Intersection	19,292		
Montague Main St.	119,183		
Murray Lane - Murray Harbour	78,509		
Rte 3 Millvale	351,506		
Rte 1 Cherry Valley	551,987		
Dingwells Mills Rte 2	368,233		
Total Eastern Region		3,611,690	
Other			
Miscellaneous Consultant Fees	252,308		
Survey Crew - Western Region	355,523		
Survey Crew - Central Region	36,996		
Survey Crew - Eastern Region	177,612		
Charlottetown Area Active Transportation Plan	15,000		
Subdivision Contribution	1,706,627		
Queens County Guardrail Improvement	25,254		
Paving Assistance Various Locations	4,000		
Survey Construction Projects	272,311		
Purchase Paint all Highways	200,000		
Kings County Guardrails	132,433		
Total Other		3,178,064	
TOTAL HIGHWAY RECONSTRUCTION			17,587,352
PROVINCIAL PAVING			
Western Region			
Asphaltic Concrete - Curran & Briggs	1,291,009		
Asphaltic Concrete - HI Construction	701,666		
Shouldering for Recap	97,556		
New Road - Fernwood - Imported Gravel	19,569		
Class A Gravel - Cumberland Cove Rd	32,599		

Total Western Region		2,142,399	
Central Region			
Asphaltic Concrete - Central Roadways	521,012		
Asphaltic Concrete - Island Construction	1,478,721		
Recap Program - Chapman Bros Construction	318,305		
Recap Program - M & M Resources	194,086		
Shouldering for Recap	111,702		
Spreader Crew	274,216		
Crushed Gravel - Pauley's Construction	12,779		
Class B Gravel - Chapman Bros. Construction	55,680		
Class A Gravel - Peters Rd	20,795		
Mill Rd - Duffy Construction - Gravel	77,222		
Class A Gravel - Elliot River Rd	25,081		
Red Shore Drive Extention - Scotchford	341,759		
Total Central Region		3,431,358	
Eastern Region			
Recap Program - M & M Resources	129,461		
Recap Program - Island Construction	88,537		
Recap Program - Chapman Bros Construction	845,761		
Class B Gravel - Chapman Bros Construction	68,077		
Shouldering for Recap	83,240		
Total Eastern Region		1,215,076	
Other			
Tropical Storm Hanna	5,750		
Storm Damage Dec 21, 2010	250,230		
Total Other		255,980	
TOTAL PROVINCIAL PAVING			7,044,813
COST SHARED PROJECTS			
Gas Tax Projects			
Rte 25 York - Covehead	478,939		
Rte 2 Richmond	578,817		
Terry Fox Complex Entrance - Cornwall	25,950		
Ellerslie Intersection Dist 23 & 25	498,958		
Dekker Rd Rte 2	262,047		
Murray River Rte 24	667,643		
Keppoch Rd & Mason Rd - Stratford	450,000		
Cardigan Bridge	1,889,711		
Total Gas Tax Projects		4,852,065	
Atlantic Gateway Projects			
Charlottetown By-Pass East	106,902		
Borden Upgrade c/o	837,705		
TCH Rte 1 Riverside Dr c/o	87,393		

Souris Main St Rte 2 Phase 2	17,756				
TCH-Cornwall Left Turning Lane - Dutch Inn c/o	13,834				
Total Atlantic Gateway Projects		1,063,590			
TOTAL COST SHARED PROJECTS			5,915,655		
OTHER					
Heavy Equipment	1,906,552				
TOTAL OTHER			1,906,552		
TOTAL HIGHWAY CAPITAL				40,023,101	
CAPITAL - BUILDINGS/TC					
Building Renovations	919,323				
Land Purchases	310,000				
Tignish Body Shop	284,336				
Analytical Lab Facility	3,759,355				
PEI Firefighters Assoc. Training Centre	510,885				
TOTAL CAPITAL - BUILDINGS/TC				5,783,899	
TOTAL TRANSPORTATION & INFRASTRUCTURE RENEWAL CAPITAL EXPENDITURES					45,807,000

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL
2011-2012

	Actuals	Budget Estimates 11/12
FINANCE AND HUMAN RESOURCES		
Executive Office		
Administration	32,346	26,200
Equipment	669	-
Materials, Supplies and Services	6,515	2,500
Salaries	368,589	318,300
Travel and Training	9,545	14,000
	417,664	361,000
Director's Office - Finance and Human Resources		
Administration	5,003	9,300
Equipment	482	-
Materials, Supplies and Services	2	500
Professional and Contract Services	1,000	-
Salaries	187,325	219,800
Travel and Training	1,823	6,000
Grants	-	-
Island Waste Management Commission	856,777	800,000
	1,052,412	1,035,600
Finance Section		
Administration	14,215	18,600
Equipment	9,799	500
Materials, Supplies and Services	4,121	15,600
Professional and Contract Services	376	-
Salaries	358,153	508,500
Travel and Training	8,363	5,600
	395,027	548,800
Human Resources Section		
Administration	12,683	13,500
Equipment	307	-
Materials, Supplies and Services	368	2,800
Professional and Contract Services	5,407	900
Salaries	448,791	462,600
Travel and Training	7,319	16,900
	474,875	496,700
INFRASTRUCTURE		
Infrastructure		
Administration	49,526	57,000
Equipment	2,771	2,900
Materials, Supplies and Services	1,322	19,000
Professional and Contract Services	41,497	60,000
Salaries	276,249	319,900
Travel and Training	4,385	11,600
Grants		
Infrastructure Program	29,944,123	27,644,500
	30,319,873	28,114,900
Total Finance and Human Resources	**32,659,851**	**30,557,000**
HIGHWAY SAFETY		
Highway Safety Administration		
Administration	147,631	112,300
Equipment	-	900
Materials, Supplies and Services	67,382	69,300
Professional and Contract Services	34,404	164,700
Salaries	164,740	151,800
Travel and Training	34,556	55,000
	448,713	554,000

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL
2011-12

Continued

	Actuals	Budget Estimates 11/12
Registration and Licensing		
Administration	341	900
Equipment	305	4,000
Materials, Supplies and Services	132,471	215,600
Professional and Contract Services	3,023	-
Salaries	745,746	788,900
Travel and Training	494	700
	882,380	1,010,100
Highway Scales		
Administration	4,080	-
Equipment	1,149	12,900
Materials, Supplies and Services	8,183	25,800
Professional and Contract Services	172	-
Salaries	683,771	617,000
Travel and Training	89	1,000
	697,444	656,700
Promotion Highway Safety		
Administration	670	2,000
Equipment	-	900
Materials, Supplies and Services	38,824	24,000
Professional and Contract Services	-	1,000
Salaries	648,538	696,800
Travel and Training	821	5,200
	688,853	729,900
Total Highway Safety	**2,717,390**	**2,950,700**
LAND AND ENVIRONMENT		
Environment Management		
Administration	10,270	9,700
Equipment	554	1,500
Materials, Supplies and Services	3,046	4,400
Professional and Contract Services	71,917	41,300
Salaries	475,009	544,500
Travel and Training	69,447	54,500
	630,243	655,900
Properties		
Administration	121,105	131,000
Equipment	2,650	3,000
Materials, Supplies and Services	5,022	5,100
Professional and Contract Services	96,538	115,700
Salaries	742,644	876,800
Travel and Training	23,825	32,000
Grants	522,517	-
	1,514,301	1,163,600
Surveys		
Administration	11,747	6,600
Equipment	2,799	29,900
Materials, Supplies and Services	2,576	5,500
Professional and Contract Services	41,537	22,000
Salaries	501,243	545,300
Travel and Training	5,834	6,500
	565,736	615,800
Total Land and Environment	**2,710,280**	**2,435,300**

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
HIGHWAY MAINTENANCE OPERATIONS		
Highway Maintenance Administration		
Administration	7,995	11,100
Materials, Supplies and Services	10,711	10,000
Professional and Contract Services	18,417	47,700
Salaries	171,823	265,900
Travel and Training	8,641	40,800
Grants	-	-
Slemon Park	80,040	80,600
	297,627	456,100
Highway Maintenance Inventory Control		
Administration	7,840	4,200
Materials, Supplies and Services	385,570	411,200
Professional and Contract Services	10,705	-
Salaries	480,466	512,600
Travel and Training	8,602	6,000
	893,183	934,000
Provincial Maintenance Road Program		
Administration	516	-
Equipment	57,757	-
Materials, Supplies and Services	415,260	987,100
Professional and Contract Services	994,286	413,000
Travel and Training	4,513	-
	1,472,332	1,400,100
Maintenance Administration - Western Region		
Administration	38,080	42,800
Equipment	839.00	600
Materials, Supplies and Services	1,314	2,100
Professional and Contract Services	1,098	-
Salaries	611,328	627,500
Travel and Training	859	2,500
	653,518	675,500
Maintenance Administration - Eastern Region		
Administration	54,702	61,500
Equipment	597	400
Materials, Supplies and Services	481	700
Professional and Contract Services	730	-
Salaries	609,255	562,100
Travel and Training	4,963	3,200
	670,728	627,900
Maintenance Administration - Central Region		
Administration	75,104	66,900
Equipment	6,646	-
Materials, Supplies and Services	430	600
Professsional and Contract Services	2,543	-
Salaries	656,774	716,500
Travel and Training	2,532	800
	744,029	784,800
Summer Maintenance - Western Region		
Administration	2,783	-
Equipment	130	6,500
Materials, Supplies and Services	1,374,158	1,541,100
Professional and Contract Services	197,227	174,500
Salaries	2,326,867	2,500,400
Travel and Training	49,671	63,400
	3,950,836	4,285,900

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Summer Maintenance - Eastern Region		
Administration	420	-
Equipment	5	-
Materials, Supplies and Services	978,010	1,194,600
Professional and Contract Services	186,360	191,000
Salaries	2,109,256	2,221,800
Travel and Training	28,346	40,100
	3,302,397	3,647,500
Summer Maintenance - Central Region		
Administration	2	-
Equipment	1,342	-
Materials, Supplies and Services	1,845,742	1,689,100
Professional and Contract Services	363,692	250,000
Salaries	2,853,221	2,821,200
Travel and Training	83,262	75,000
	5,147,261	4,835,300
Summer Maintenance - Rails to Trails Maintenance		
Administration	11,188	9,500
Equipment	5,375	-
Materials, Supplies and Services	306,239	332,600
Professional and Contract Services	66,632	64,000
Salaries	880,332	943,200
Travel and Training	25,131	23,000
	1,294,897	1,372,300
Winter Maintenance - Western Region		
Adminstration	69	-
Equipment	4	-
Materials, Supplies and Services	1,698,831	1,305,700
Professional and Contract Services	3,789,046	3,064,300
Salaries	393,790	411,700
Travel and Training	480	-
	5,882,220	4,781,700
Winter Maintenance - Eastern Region		
Administration	280	-
Equipment	-	-
Materials, Supplies and Services	1,070,450	1,047,200
Professional and Contract Services	1,623,262	1,478,800
Salaries	294,310	456,400
Travel and Training	2,663	4,000
	2,990,965	2,986,400
Winter Maintenance - Central Region		
Administration	34	-
Materials, Supplies and Services	1,751,421	1,381,100
Professional and Contract Services	3,109,258	2,527,000
Salaries	395,038	593,700
	5,255,751	4,501,800
Mechanical - Charlottetown Garage - Direct		
Administration	29,393	26,900
Equipment	4,488	3,500
Materials, Supplies and Services	2,012,043	1,808,100
Professional and Contract Services	3,530	4,100
Salaries	2,303,812	2,535,100
Travel and Training	295,558	132,900
	4,648,824	4,510,600

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Mechanical - Charlottetown Garage - Indirect		
Administration	54,822	71,400
Equipment	46,336	12,400
Materials, Supplies and Services	403,532	317,100
Professional and Contract Services	174,114	38,400
Salaries	696,909	788,600
Travel and Training	14,185	4,100
	1,389,898	1,232,000
Mechanical - Summerside Garage - Direct		
Administration	14,577	16,100
Equipment	4,026	5,500
Materials, Supplies and Services	1,519,149	1,158,300
Professional and Contract Services	10,232	8,000
Salaries	1,383,248	1,557,500
Travel and Training	90,660	71,200
	3,021,892	2,816,600
Mechanical - Summerside Garage - Indirect		
Administration	19,734	25,100
Equipment	17,306	18,700
Materials, Supplies and Services	7,208	25,000
Salaries	76,953	76,200
Travel and Training	6,554	5,400
	127,755	150,400
Mechanical - Operators - Western Region		
Administration	125	2,400
Materials, Supplies and Services	12,421	14,000
Professional and Contract Services	429	-
Salaries	1,314,879	1,442,600
Travel and Training	14,552	18,700
	1,342,406	1,477,700
Mechanical - Operators - Central Region		
Administration	920	4,800
Materials, Supplies and Services	27,629	54,500
Professional and Contract Services	727	-
Salaries	2,068,157	2,348,700
Travel and Training	32,351	46,400
	2,129,784	2,454,400
Mechanical - Operators - Eastern Region		
Administration	200	1,100
Materials, Supplies and Services	27,877	29,000
Professional and Contract Services	1,418	-
Salaries	1,233,422	1,303,500
Travel and Training	29,976	21,800
	1,292,893	1,355,400
Mechanical - Bridgetown Highways Garage - Direct		
Administration	1,080	-
Equipment	5,201	7,000
Materials, Supplies and Services	980,601	788,100
Professional and Contract Services	2,456	3,200
Salaries	980,175	997,900
Travel and Training	185,768	130,900
	2,155,281	1,927,100

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Mechanical - Bridgetown Highways Garage - Indirect		
Administration	28,857	34,900
Equipment	130	2,100
Materials, Supplies and Services	51,633	56,800
Professional and Contract Services	13,772	5,400
Salaries	328,482	306,800
Travel and Training	258	5,300
	423,132	411,300
Total Highway Maintenance Operations	**49,087,609**	**47,624,800**
PUBLIC WORKS AND PLANNING		
Public Works Operations - Administration		
Administration	151,648	33,200
Equipment	1,175	-
Materials, Supplies and Services	13,210	253,000
Professional and Contract Services	7,795	25,500
Salaries	581,982	936,600
Travel and Training	26,818	36,200
	782,628	1,284,500
District Heating Plant		
Professional and Contract Services	2,027,878	2,215,400
	2,027,878	2,215,400
Building Maintenance Direct - Mona Lisa Building		
Administration	10,892	12,800
Materials, Supplies and Services	10,600	30,700
Professional and Contract Services	10,614	19,000
	32,106	62,500
Building Maintenance Direct - Shaw and Sullivan Buildings		
Administration	484,866	480,900
Equipment	4,568	16,200
Materials, Supplies and Services	1,131,984	1,181,300
Professional and Contract Services	361,915	350,600
Salaries	1,285,242	1,002,300
Travel and Training	3,382	-
	3,271,957	3,031,300
Building Maintenance Direct - Province House		
Administration	21,359	37,900
Materials, Supplies and Services	49,168	141,000
Professional and Contract Services	-	7,000
Salaries	38,054	43,600
	108,581	229,500
Building Maintenance Direct - Province House Annex		
Administration	8,126	8,300
Materials, Supplies and Services	24,354	25,800
Professional and Contract Services	12,282	15,500
Salaries	-	-
	44,762	49,600

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL
2011-2012

Continued

	Actuals	Budget Estimates 11/12
Building Maintenance Direct - Government House		
Administration	22,712	28,100
Equipment	1,530	5,600
Materials, Supplies and Services	122,685	96,000
Professional and Contract Services	4,374	14,800
Salaries	294,224	362,900
Travel and Training	3,447	600
	448,972	508,000
Building Maintenance Direct - Customs House		
Administration	9,118	9,200
Materials, Supplies and Services	32,670	28,900
Professional and Contract Services	27,623	15,500
	69,411	53,600
Building Maintenance Direct - Portable Classrooms		
Materials, Supplies and Services	-	-
	-	-
Building Maintenance Direct - Coles Building		
Administration	42,040	41,600
Materials, Supplies and Services	51,994	51,400
Professional and Contract Services	10,128	22,300
Salaries	61,708	52,400
	165,870	167,700
Building Maintenance Direct - Prince County Jail and Courthouse		
Administration	20,264	15,800
Materials, Supplies and Services	81,258	70,700
Professional and Contract Services	12,649	12,300
Salaries	40,301	45,000
	154,472	143,800
Building Maintenance Direct - Summerside Youth Centre		
Administration	176,205	92,000
Materials, Supplies and Services	168,323	171,700
Professional and Contract Services	23,173	22,000
	367,701	285,700
Building Maintenance Direct - Provincial Correctional Centre		
Administration	35,747	27,000
Equipment	-	900
Materials, Supplies and Services	378,821	231,800
Professional and Contract Services	37,351	18,200
	451,919	277,900
Building Maintenance Direct - Montague Office Complex		
Administration	7,281	8,200
Materials, Supplies and Services	49,827	56,200
Professional and Contract Services	28,492	37,300
	85,600	101,700
Building Maintenance Direct - Southern Kings		
Administration	5,171	5,400
Materials, Supplies and Services	48,916	55,100
Professional and Contract Services	35,394	34,600
	89,481	95,100

	Actuals	Budget Estimates 11/12
Building Maintenance Direct - Prince Edward Home		
Materials, Supplies and Services	112,122	69,800
	112,122	69,800
Building Maintenance Direct - West Prince RSC		
Administration	16,166	8,700
Materials, Supplies and Services	54,638	38,500
Professional and Contract Services	43,589	22,600
	114,393	69,800
Building Maintenance Direct - Small Buildings		
Administration	167,501	165,500
Materials, Supplies and Services	804,286	580,100
Professional and Contract Services	225,241	111,500
Salaries	47,273	52,900
Travel and Training	-	1,800
	1,244,301	911,800
Building Maintenance Direct - Highway Materials Testing Lab		
Administration	-	200
Materials, Supplies and Services	39,184	42,000
Professional and Contract Services	12,295	11,000
Salaries	27,448	31,600
Travel and Training	53	-
	78,980	84,800
Building Maintenance Direct - Access P.E.I. Summerside		
Administration	48,800	50,000
Materials, Supplies and Services	153,507	191,500
Professional and Contract Services	52,394	70,000
	254,701	311,500
Building Maintenance Direct - Brighton Road Office Complex		
Administration	574	600
Materials, Supplies and Services	21,722	24,400
Professional and Contract Services	6,982	24,000
	29,278	49,000
Building Maintenance Direct - Holland College Royalty		
Administration	143,882	226,700
Materials, Supplies and Services	253,252	140,000
Professional and Contract Services	76,468	180,000
	473,602	546,700
Building Maintenance Direct - North Cape Wind Site		
Materials, Supplies and Services	39,908	54,600
	39,908	54,600
Building Maintenance Direct - Summerside Garage		
Administration	19,912	50,000
Materials, Supplies and Services	146,278	158,700
Professional and Contract Services	37,936	42,000
	204,126	250,700
Building Accommodations - Small Lease		
Administration	1,132,395	1,161,300
Equipment	833	-
Materials, Supplies and Services	102,545	17,400
Professional and Contract Services	93,176	6,300
Salaries	11,369	-
Travel and Training	36	-
	1,340,354	1,185,000

Continued

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

2011-2012

	Actuals	Budget Estimates 11/12
Building Accommodations - Evangeline RSC		
Administration	67,516	61,000
Materials, Supplies and Services	3,901	5,400
Professional and Contract Services	135	-
	71,552	66,400
Building Accommodations - Johnny Ross Young RSC		
Administration	225,204	252,900
Materials, Supplies and Services	1,930	7,000
Professional and Contract Services	1,680	-
	228,814	259,900
Building Accommodations - Research Station		
Administration	269,277	270,200
	269,277	270,200
Building Accommodations - Queens Region Health Authority		
Administration	747,883	746,800
Materials, Supplies and Services	1,428	-
Professional and Contract Services	240	-
	749,551	746,800
Building Accommodations - Health Agency		
Administration	561,340	564,900
Materials, Supplies and Services	23	5,000
	561,363	569,900
Building Accommodations - Provincial Library Morell		
Administration	191,818	208,100
Materials, Supplies and Services	300	-
Professional and Contract Services	52	4,500
	192,170	212,600
Building Accommodations - St. Paul's Rectory		
Administration	26,433	28,200
Materials, Supplies and Services	13,293	12,400
Professional and Contract Services	7,462	7,500
	47,188	48,100
Building Accommodations - Albert Thomas Building		
Administration	60,655	65,200
Materials, Supplies and Services	25,297	28,700
Professional and Contract Services	8,678	7,700
	94,630	101,600
Building Accommodations - Sherwood Fire Hall		
Administration	104,887	148,000
Materials, Supplies and Services	-	6,900
Professional and Contract Services	15,226	8,900
Salaries	-	900
	120,113	164,700
Building Accommodations - Concorde Building		
Administration	193,089	186,900
	193,089	186,900
Building Accommodations - Davies Law Court		
Administration	505,555	769,100
Materials, Supplies and Services	151,933	139,800
Professional and Contract Services	288,987	233,200
	946,475	1,142,100

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Building Accommodations - Highway Safety Office		
Administration	181,213	188,100
Materials, Supplies and Services	42	2,000
Professional and Contract Services	136	-
	181,391	190,100
Building Accommodations - Stonehouse VIC		
Administration	60,333	48,500
Materials, Supplies and Services	-	3,400
Salaries	-	22,300
	60,333	74,200
Building Accommodations - Fisheries Warehouse		
Administration	42,087	49,000
Materials, Supplies and Services	19,820	14,700
Professional and Contract Services	2,972	600
	64,879	64,300
Building Accommodations - Kelly Building Courthouse		
Administration	197,412	307,000
Materials, Supplies and Services	8,634	20,000
	206,046	327,000
Building Accommodations - SRDC 109 Water Street		
Administration	170,431	202,300
Materials, Supplies and Services	-	-
	170,431	202,300
Building Accommodations - Confederation Centre and Libraries		
Administration	178,000	176,000
Materials, Supplies and Services	-	-
	178,000	176,000
Building Accommodations - Gateway Village VIC		
Administration	69,180	69,200
	69,180	69,200
Building Accommodations - Confederation Court Leases		
Administration	72,540	32,000
	72,540	32,000
Building Accommodations - Donald Bondy		
Administration	320,354	319,300
Materials, Supplies and Services	147	-
Professional and Contract Services	27,722	-
	348,223	319,300
Building Accommodations - Hunter River Health Centre		
Administration	93,641	90,900
	93,641	90,900
Building Accommodations - S'Side Medical Centre		
Administration	258,841	211,600
	258,841	211,600
Building Accommodations - Polyclinic		
Administration	307,565	279,900
	307,565	279,900
Building Accommodations - Pharmatech		
Administration	184,359	253,900
	184,359	253,900

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Building Accommodations - Fisheries Dept. Montague		
Administration	251,807	250,000
Materials, Supplies and Services	105	-
	251,912	250,000
Building Accommodations - Education Dept. Summerside		
Administration	881,749	702,800
Materials, Supplies and Services	12,588	-
Professional and Contract Services	38,068	-
	932,405	702,800
Building Accommodations - Brecken Yates		
Administration	147,286	117,000
Materials, Supplies and Services	-	-
	147,286	117,000
Director's Office		
Administration	16,554	15,800
Equipment	181	-
Materials, Supplies and Services	6,054	5,100
Professional and Contract Services	319,196	285,100
Salaries	181,514	217,600
Travel and Training	1,874	12,900
	525,373	536,500
Planning		
Administration	3,858	7,600
Materials, Supplies and Services	51	-
Salaries	94,825	161,400
Travel and Training	9,899	9,800
	108,633	178,800
Building Construction		
Administration	1,897	3,700
Equipment	717	-
Materials, Supplies and Services	-	1,400
Salaries	290,316	308,400
Travel and Training	11,661	23,200
	304,591	336,700
Building Design		
Administration	8,980	4,300
Equipment	1,815	-
Materials, Supplies and Services	567	-
Salaries	273,913	317,800
Travel and Training	40,865	9,900
	326,140	332,000
Total Public Works and Planning	**20,259,094**	**20,553,700**
CAPITAL PROJECT DIVISION		
Traffic Operations Management		
Administration	5,250	5,400
Equipment	13,265	-
Materials, Supplies and Services	13,017	25,300
Professional and Contract Services	800	6,000
Salaries	265,542	356,800
Travel and Training	17,239	16,800
	315,113	410,300

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Traffic Operations - Western Region		
Administration	5,756	4,400
Equipment	759	1,300
Materials, Supplies and Services	342,148	302,900
Professional and Contract Services	1,981	2,200
Salaries	430,873	463,900
Travel and Training	11,491	8,700
	793,008	783,400
Traffic Operations - Central Region		
Administration	13,496	7,900
Equipment	8,163	5,000
Materials, Supplies and Services	887,193	885,100
Professional and Contract Services	45,514	49,000
Salaries	1,021,648	999,200
Travel and Training	21,327	23,000
	1,997,341	1,969,200
Traffic Operations - Sign Shop		
Administration	2,147	5,700
Materials, Supplies and Services	161,642	146,400.00
Professional and Contract Services	4,812	5,100
Salaries	194,196	193,200
Travel and Training	1,329	1,000
	364,126	351,400
Chief Engineer's Office		
Administration	23,736	21,400
Equipment	223	800
Materials, Supplies and Services	31,766	18,500
Professional and Contract Services	75,392	66,300
Salaries	295,061	333,800
Travel and Training	10,323	9,800
	436,501	450,600
Western Region		
Administration	27,271	32,800
Equipment	7,421	17,500
Materials, Supplies and Services	19,487	23,400
Professional and Contract Services	636	3,000
Salaries	675,169	597,600
Travel and Training	10,077	30,300
	740,061	704,600
Central Region		
Administration	12,365	17,900
Equipment	-	6,300
Materials, Supplies and Services	4,449	18,500
Professional and Contract Services	-	1,000
Salaries	529,426	652,100
Travel and Training	7,408	18,100
	553,648	713,900

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

Continued

2011-2012

	Actuals	Budget Estimates 11/12
Eastern Region		
Administration	17,866	22,100
Equipment	927	14,700
Materials, Supplies and Services	8,757	19,100
Professional and Contract Services	649	3,000
Salaries	606,302	624,900
Travel and Training	13,028	21,400
	647,529	705,200
Engineering Services - Operations		
Administration	-	6,000
Equipment	-	900
Materials, Supplies and Services	-	9,300
Salaries	106,623	89,200
Travel and Training	2,751	12,100
	109,374	117,500
Highway Design		
Administration	14,222	6,700
Equipment	600	1,500
Materials, Supplies and Services	2,293	4,200
Professional and Contract Services	-	22,200
Salaries	372,501	434,600
Travel and Training	7,794	10,400
	397,410	479,600
Materials Testing Lab		
Administration	14,931	19,800
Equipment	20,417	10,700
Materials, Supplies and Services	8,332	12,800
Professional and Contract Services	6,806	2,500
Salaries	1,133,680	1,359,000
Travel and Training	35,593	41,200
	1,219,759	1,446,000
Bridge Maintenance - Operations		
Administration	6,907	4,500
Materials, Supplies and Services	1,156,539	914,700
Professional and Contract Services	1,068,402	731,000
Salaries	483,406	474,300
Travel and Training	22,099	10,000
	2,737,353	2,134,500
Highway Enhancement		
Salaries	114,484	155,000
	114,484	155,000
Total Capital Project Division	**10,425,707**	**10,421,200**

TOTAL TRANSPORTATION AND INFRASTRUCTURE RENEWAL	117,859,931	114,542,700